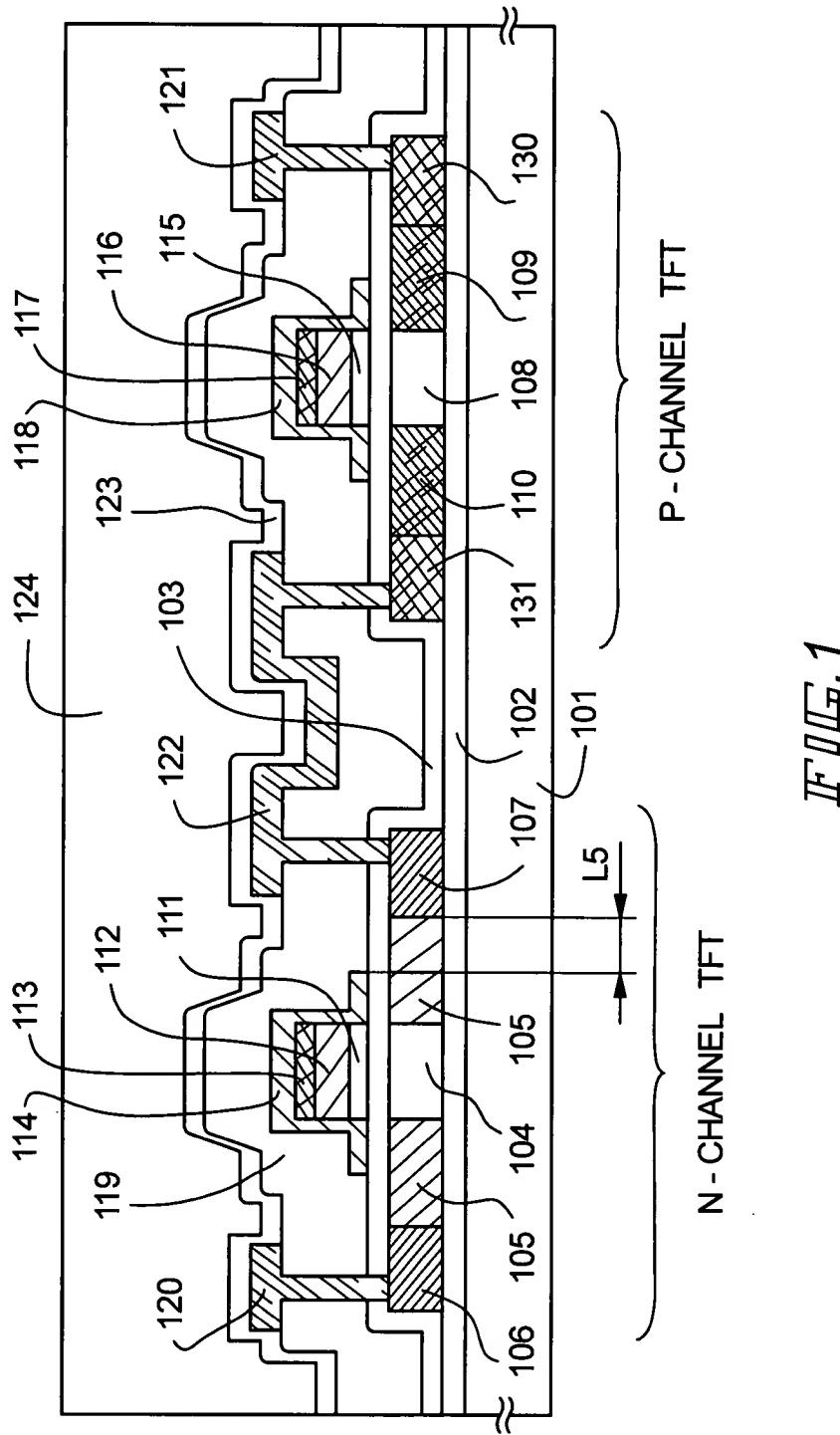


JUN 27 2007



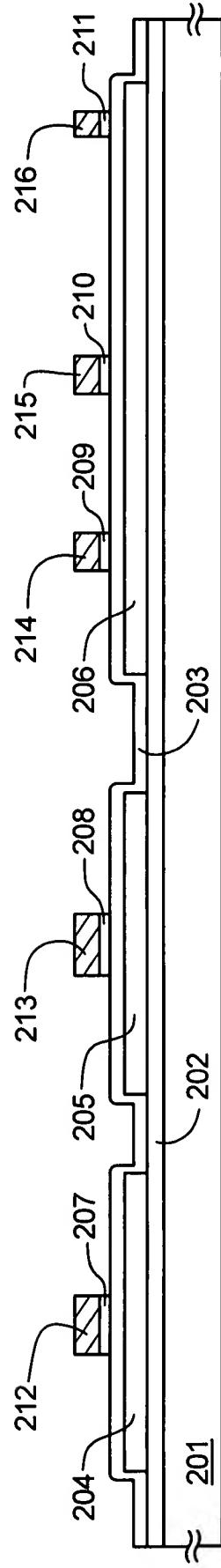


FIG. 2A

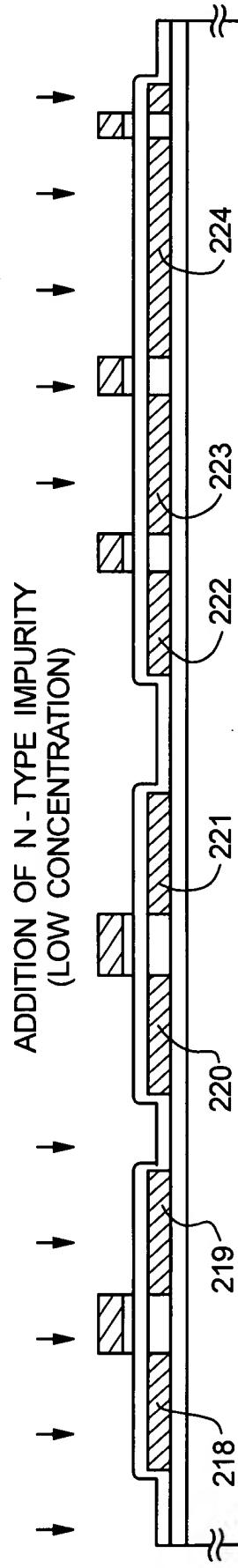


FIG. 2B

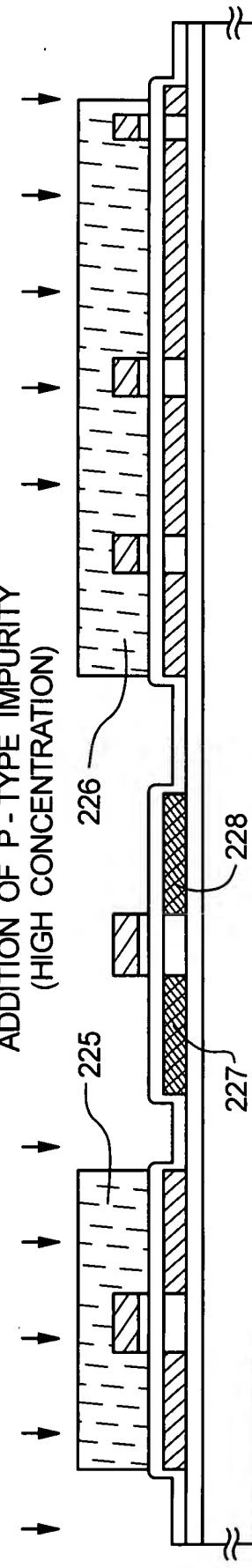


FIG. 2C

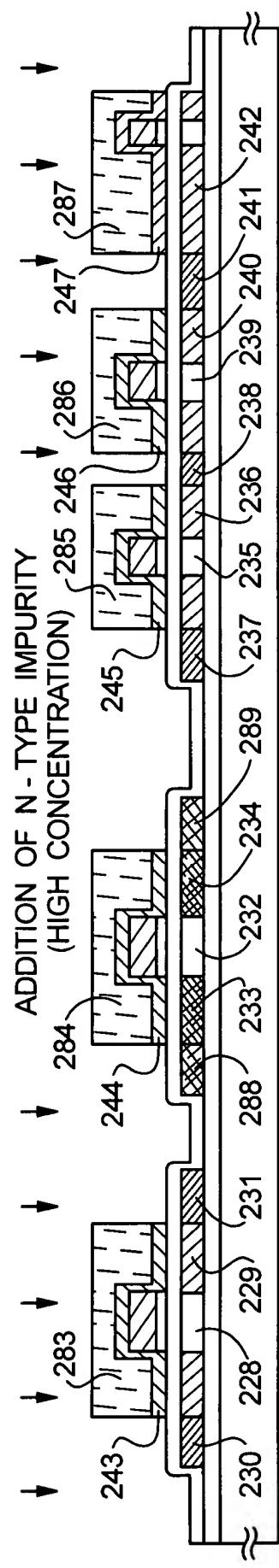


FIG. 3A

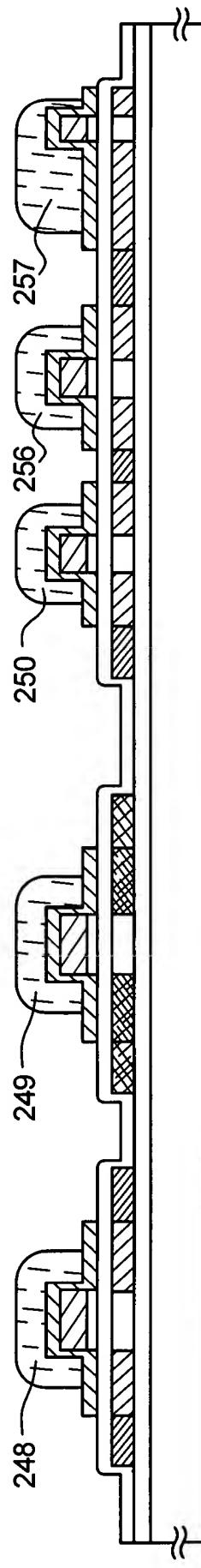
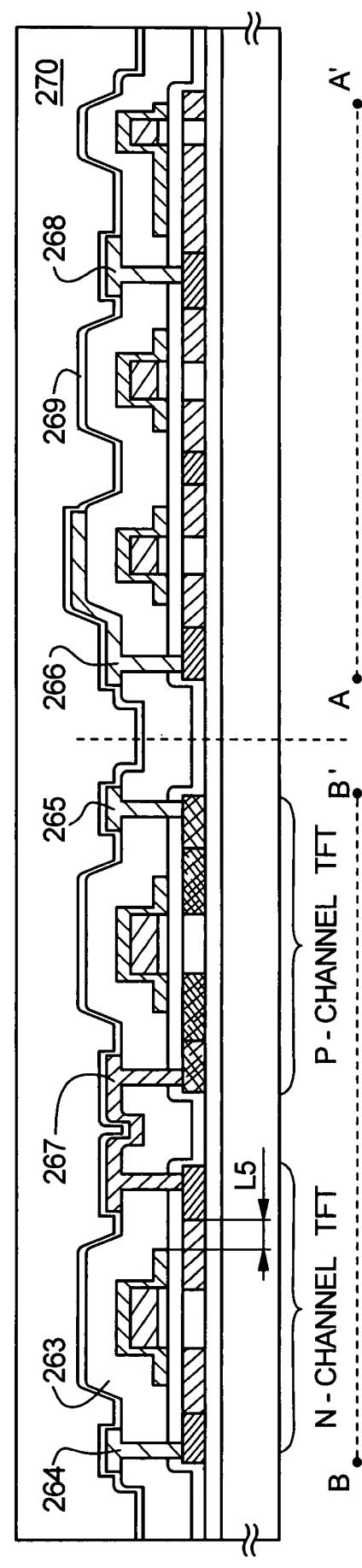
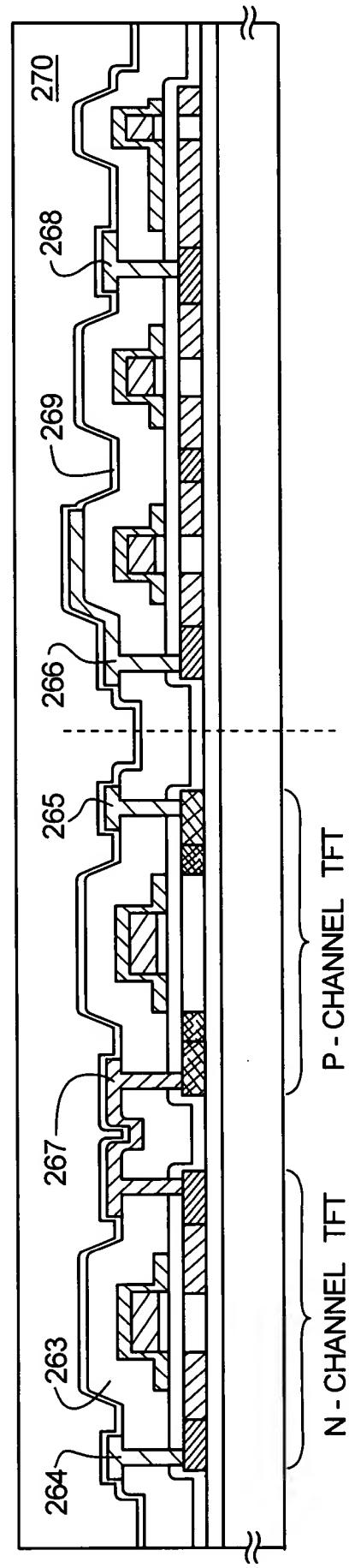
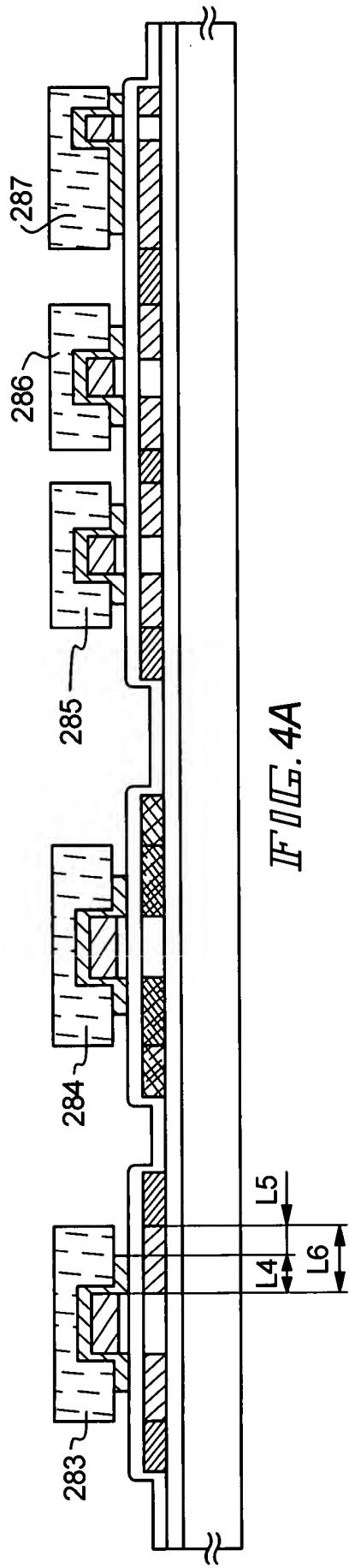


FIG. 3B

CMOS CIRCUIT
PIXEL MATRIX CIRCUIT



PIXEL MATRIX CIRCUIT

P - CHANNEL TFT

CMOS CIRCUIT

N - CHANNEL TFT

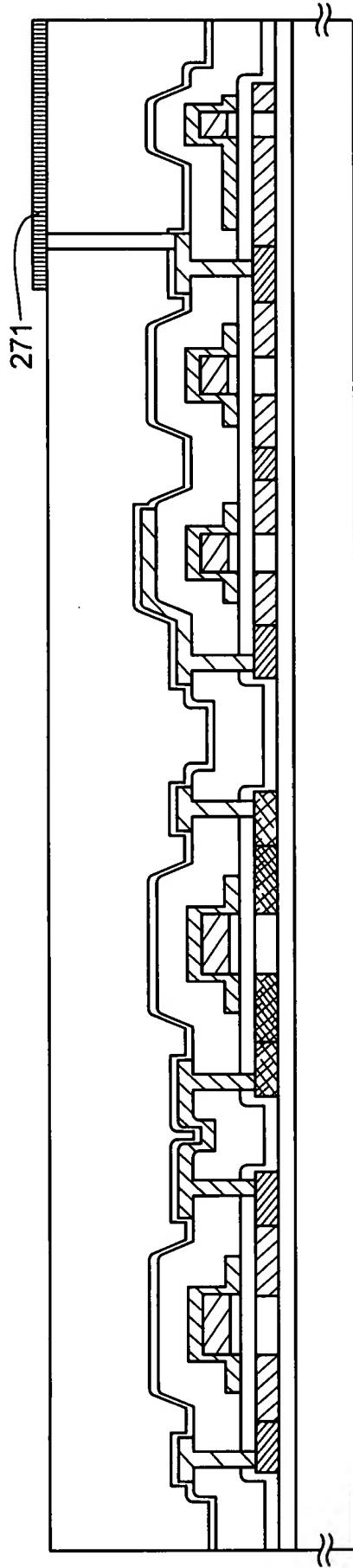
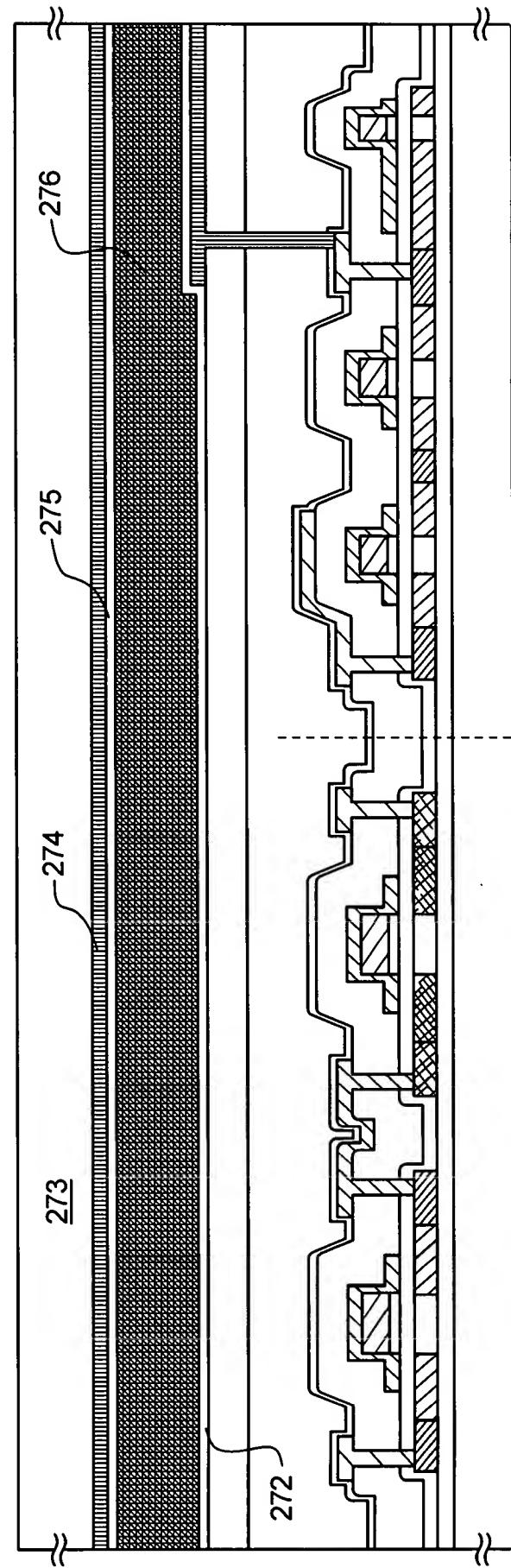


FIGURE 5A



CMOS CIRCUIT

PIXEL MATRIX CIRCUIT

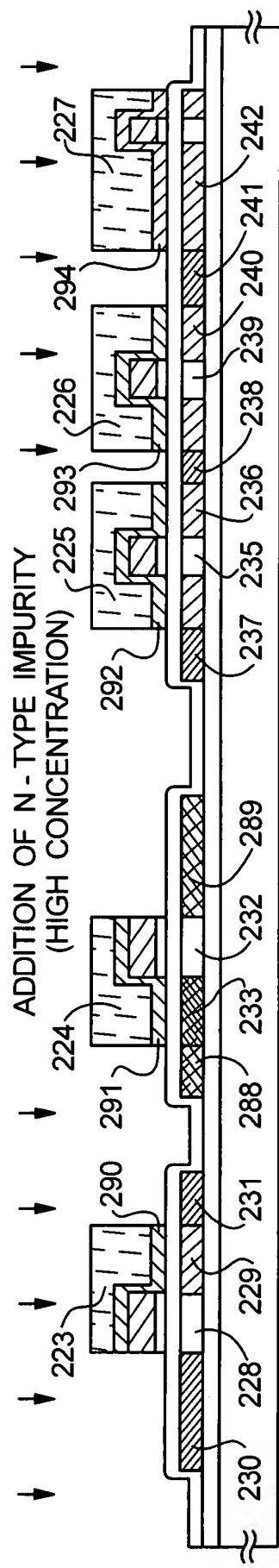


FIG. 6A

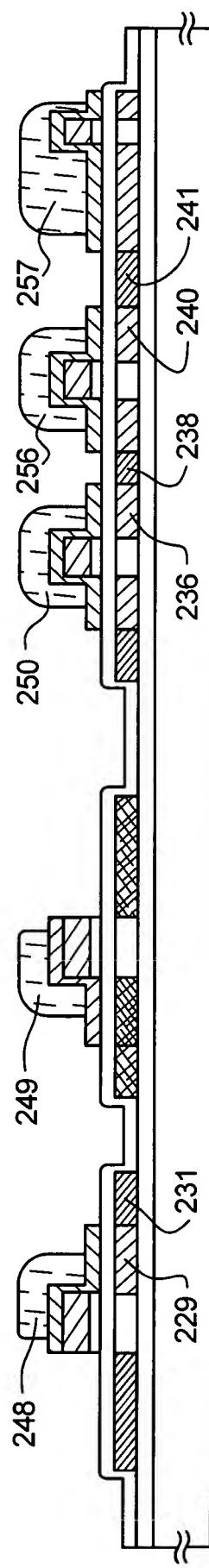
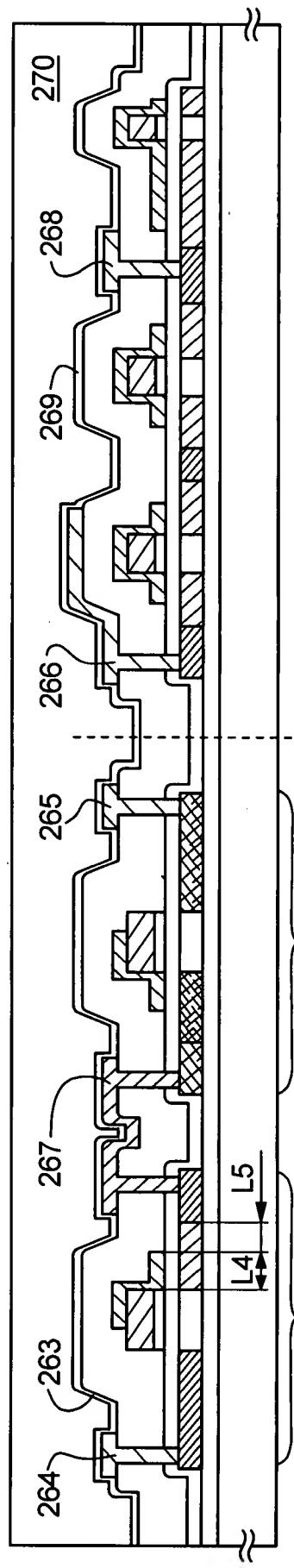


FIG. 6B

N - CHANNEL TFT
CMOS CIRCUIT

P - CHANNEL TFT

PIXEL MATRIX CIRCUIT

FIG. 6C

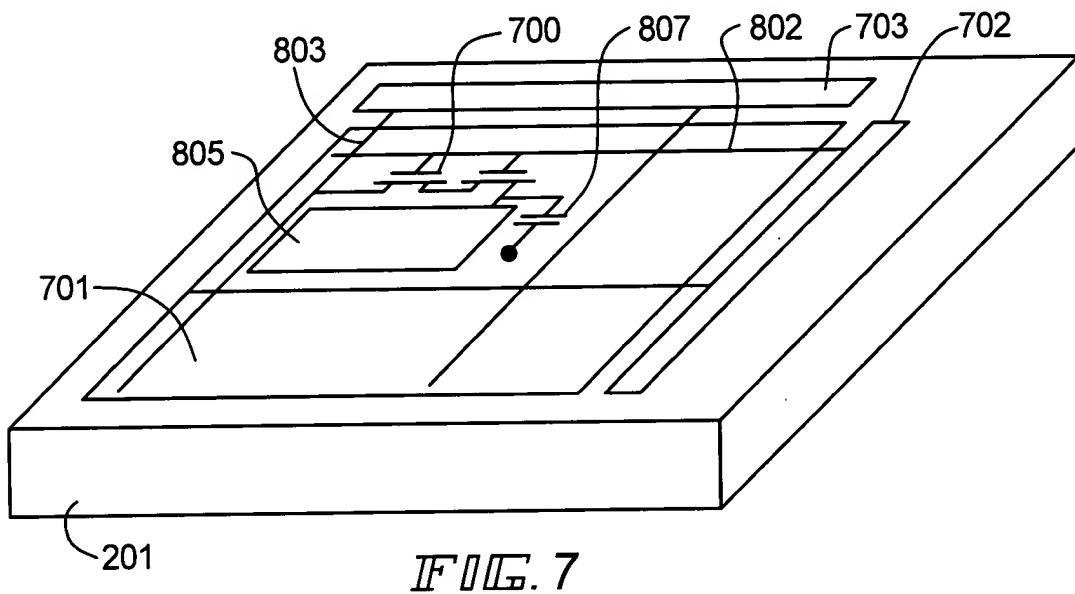


FIG. 7

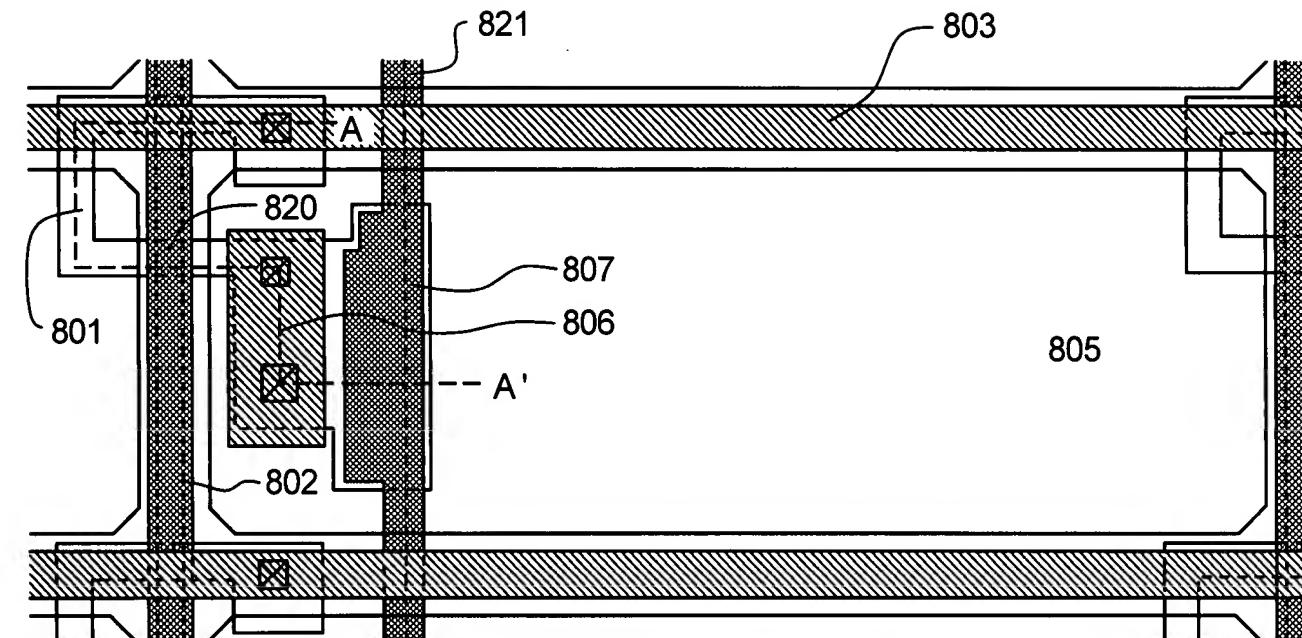


FIG. 8A

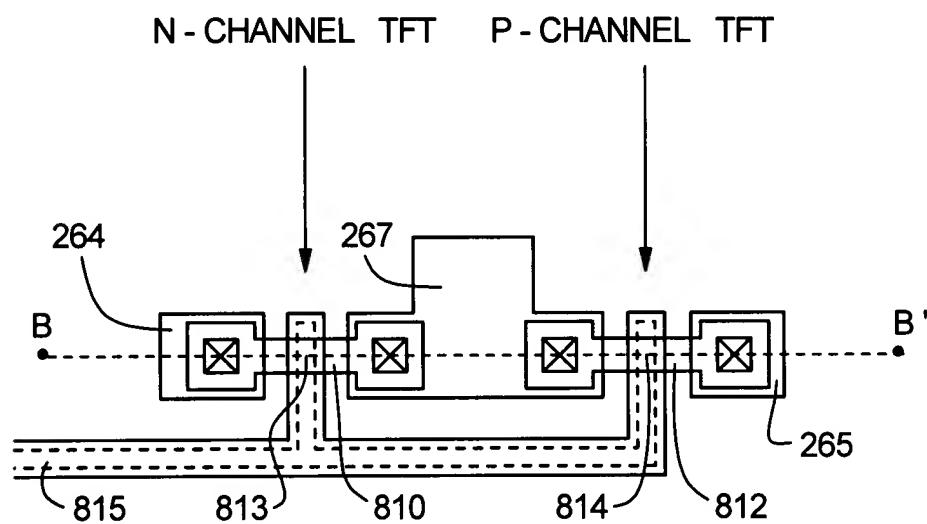


FIG. 8B



FIG. 9A

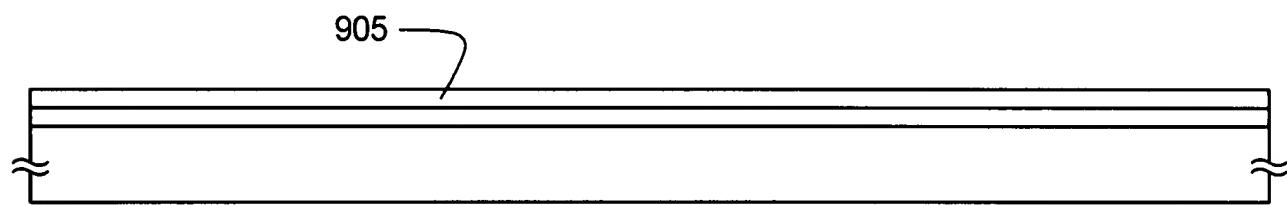


FIG. 9B

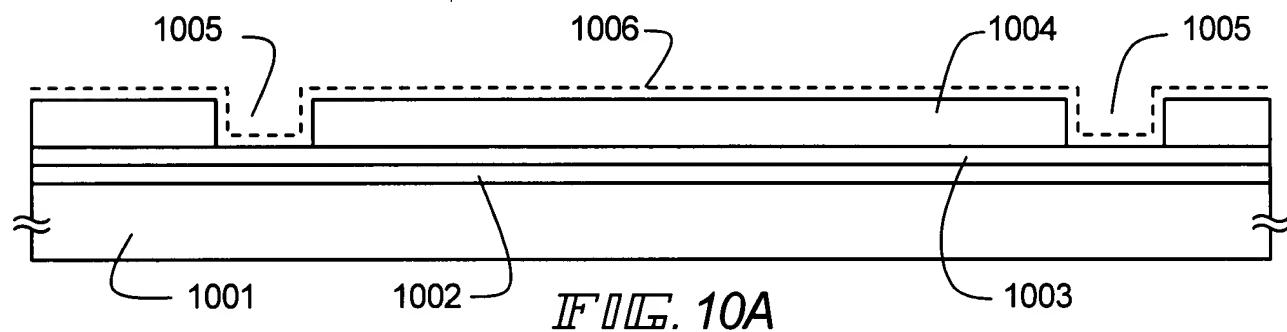


FIG. 10A

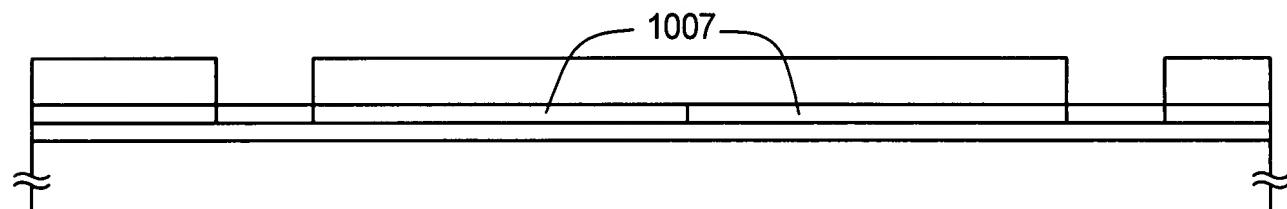
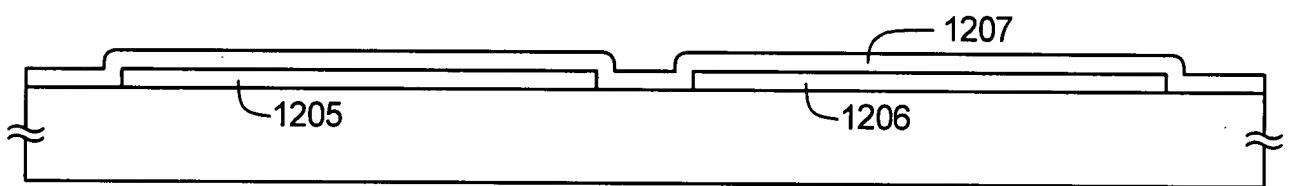
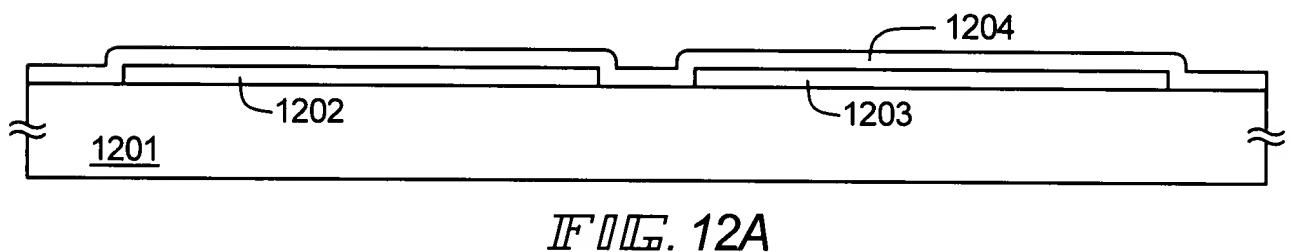
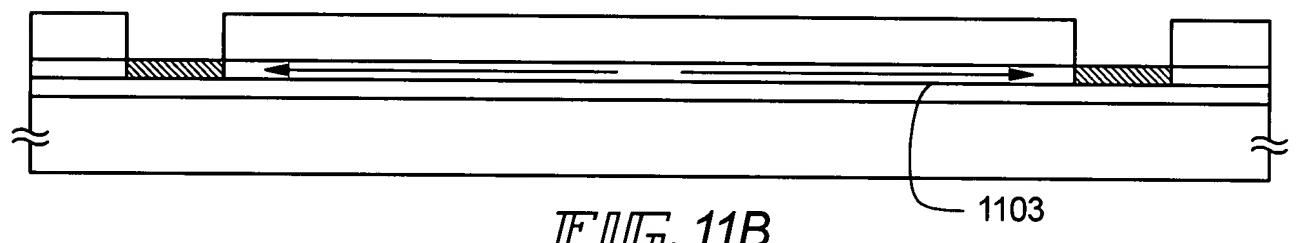
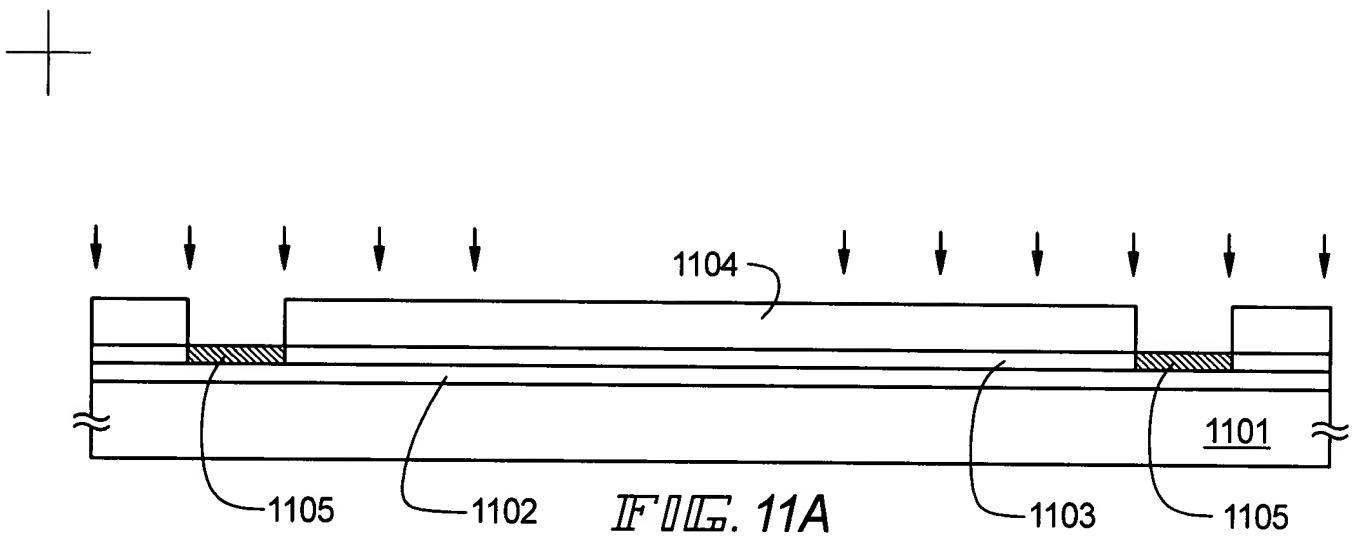


FIG. 10B





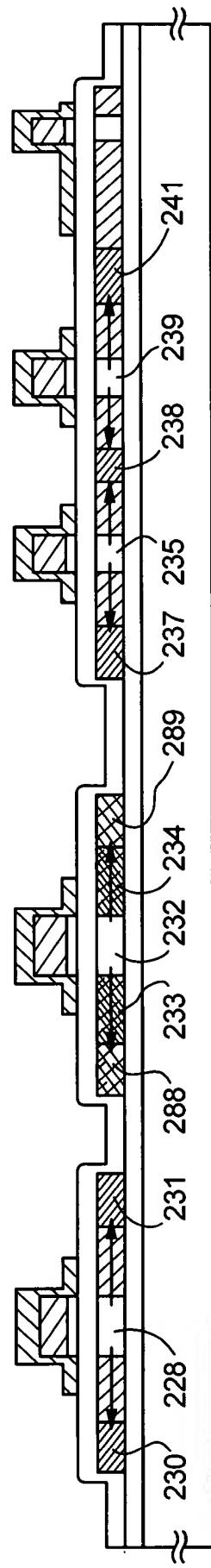


FIG. 13

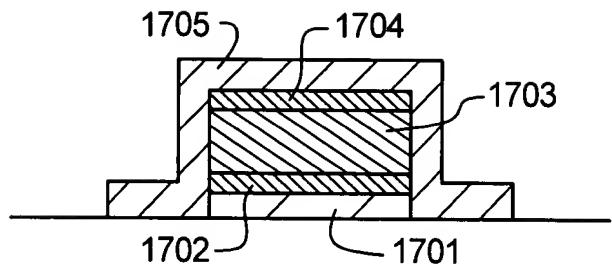


FIG. 14A

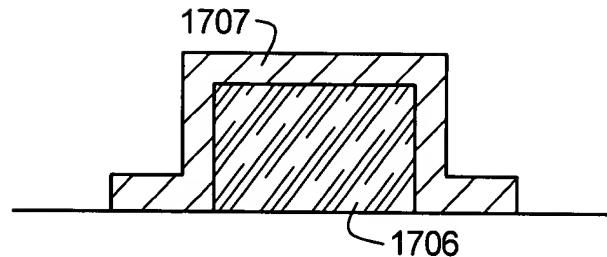


FIG. 14B

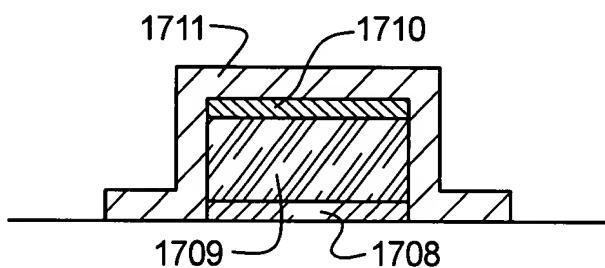


FIG. 14C

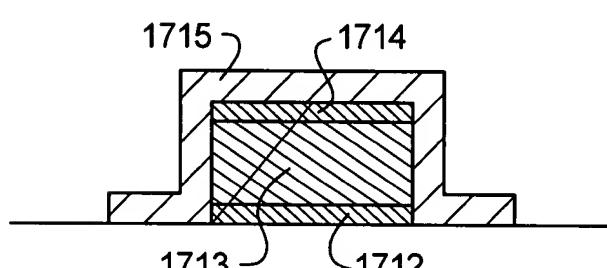


FIG. 14D

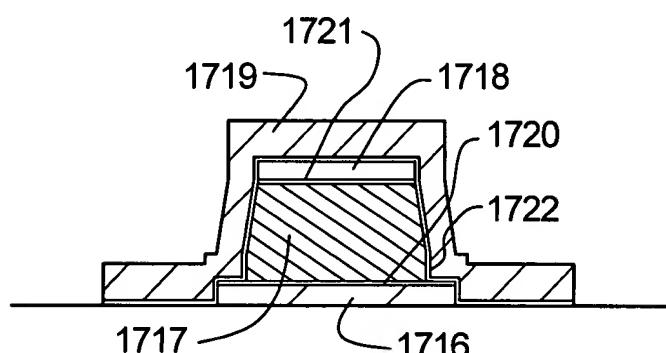


FIG. 14E

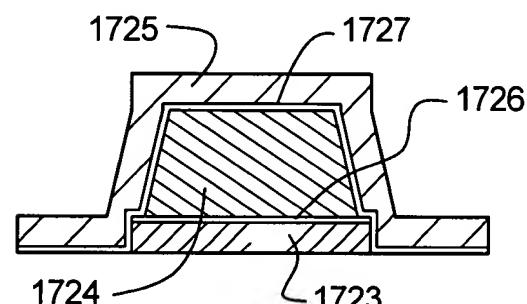


FIG. 14F



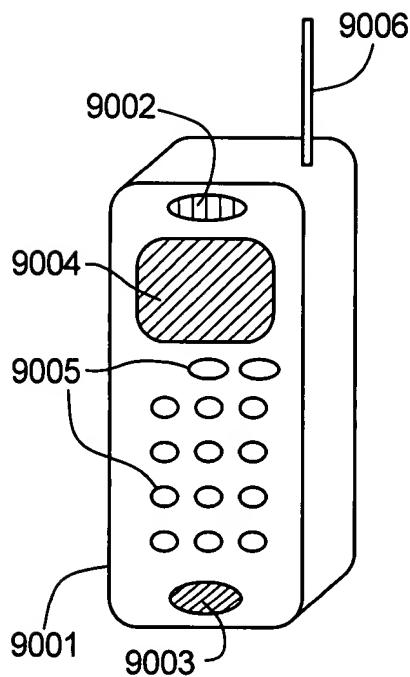


FIG. 15A

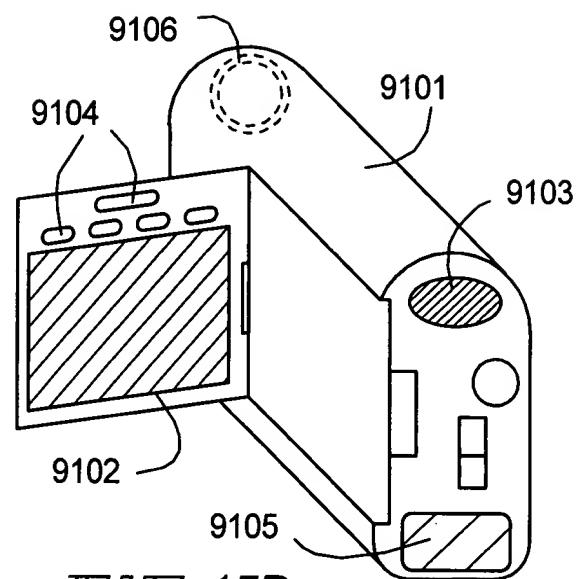


FIG. 15B

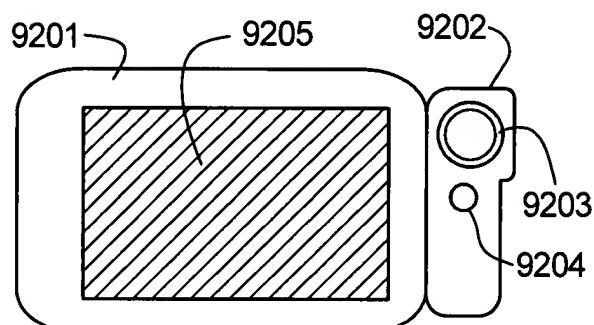


FIG. 15C

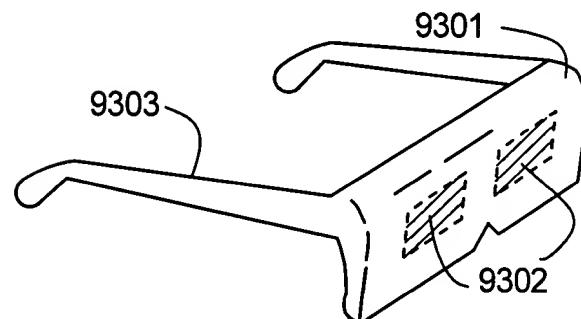


FIG. 15D

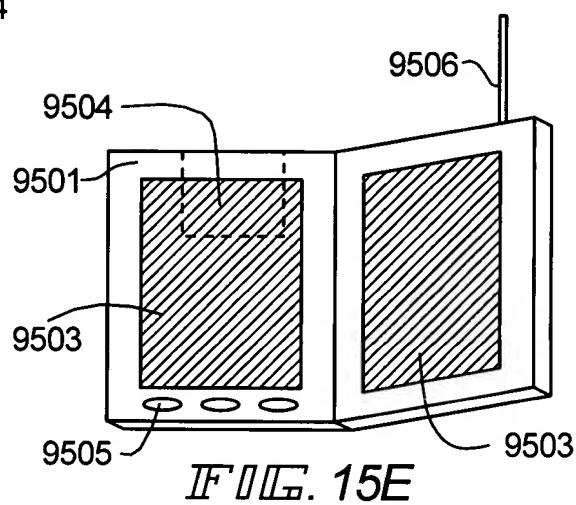


FIG. 15E

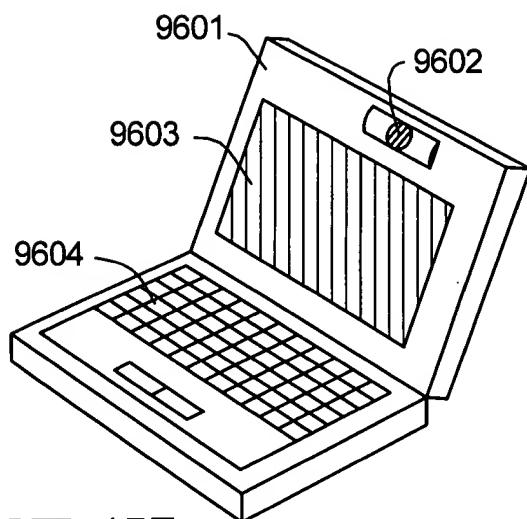


FIG. 15F

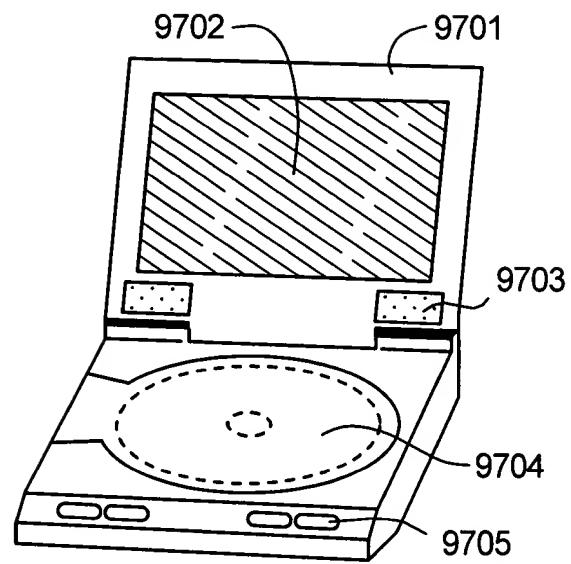


FIG. 15G

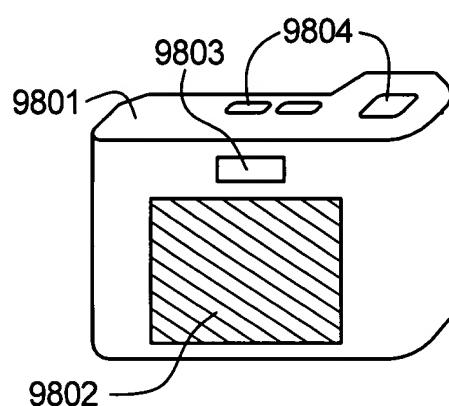


FIG. 15H

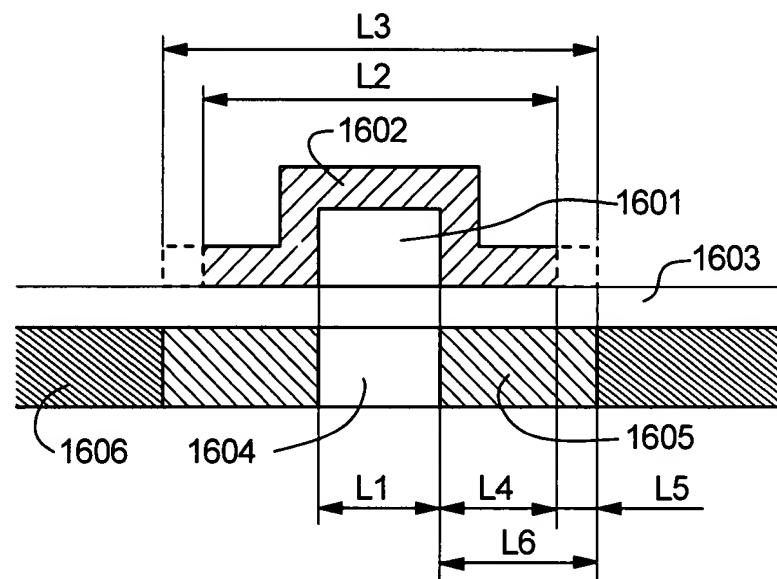


FIG. 16

+

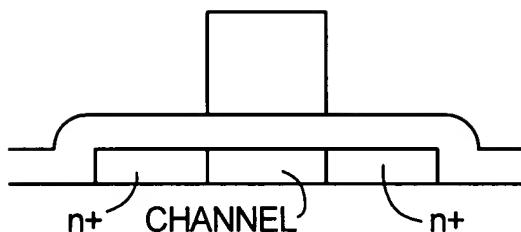


FIG. 17A - 1

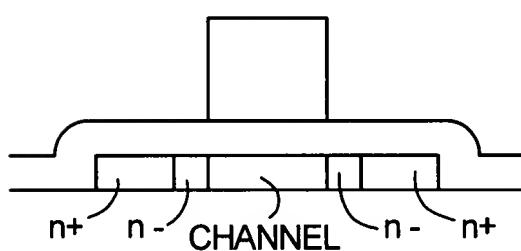


FIG. 17A - 2

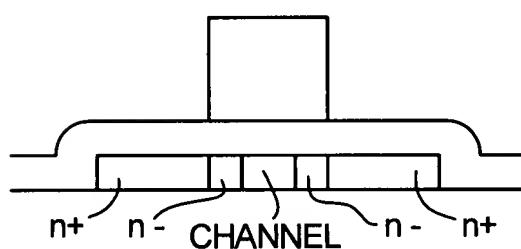


FIG. 17A - 3

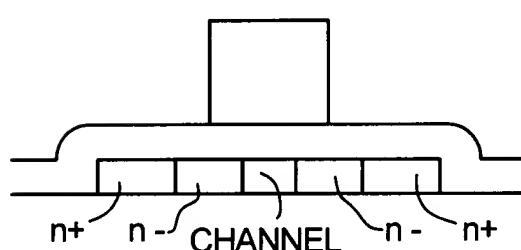


FIG. 17A - 4

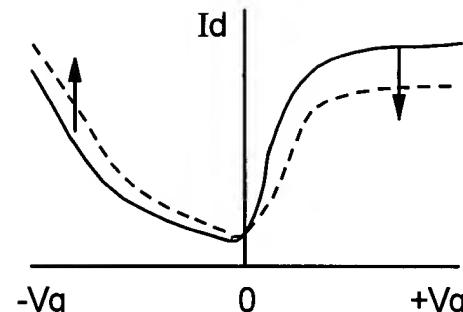


FIG. 17B - 1

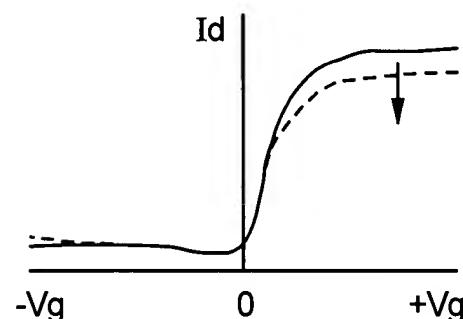


FIG. 17B - 2

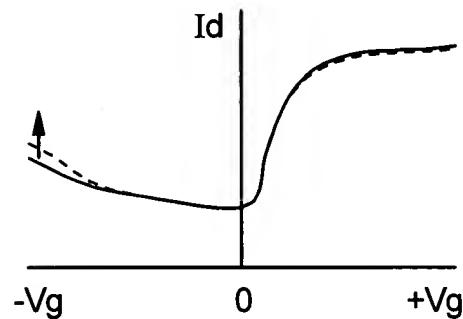


FIG. 17B - 3

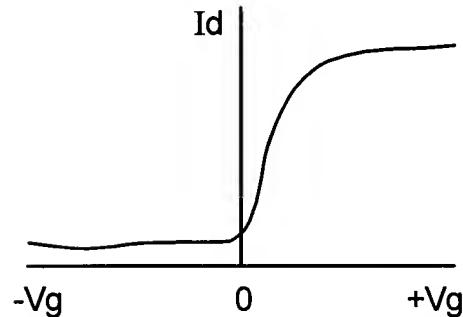


FIG. 17B - 4

+

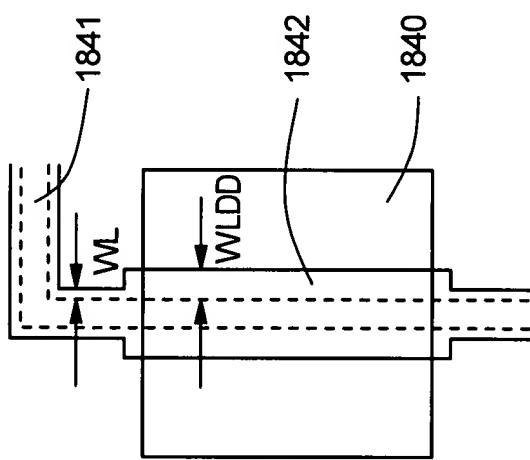


FIGURE. 18

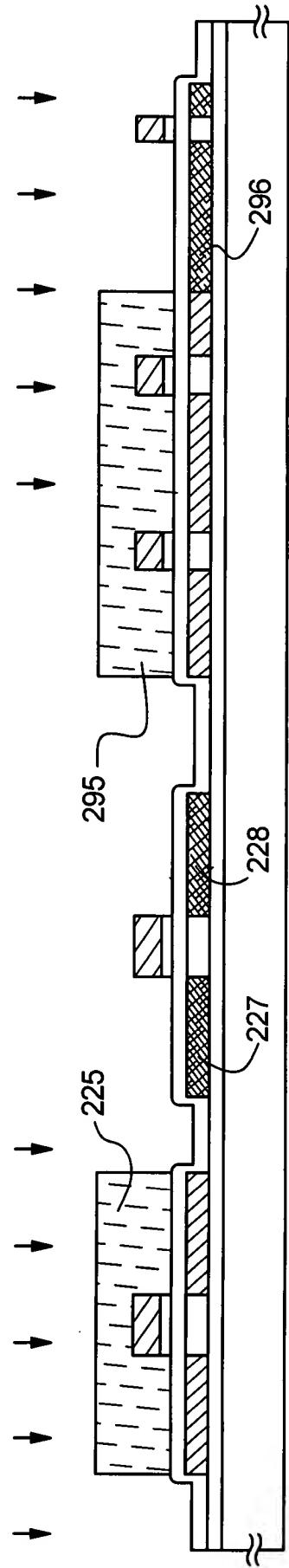


FIGURE. 19

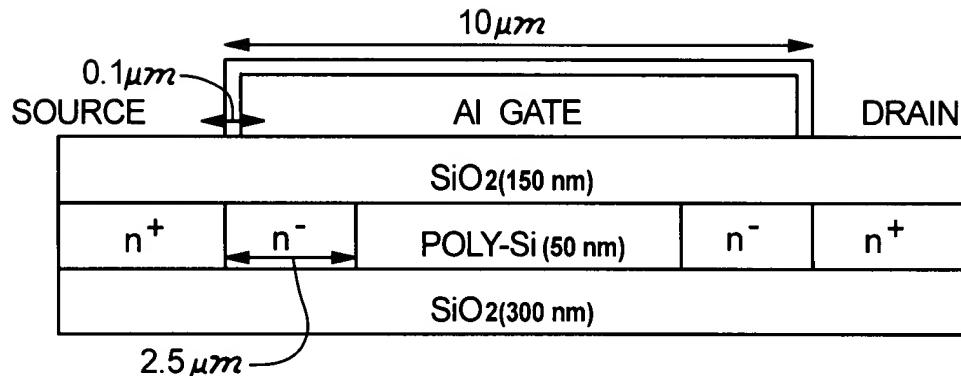
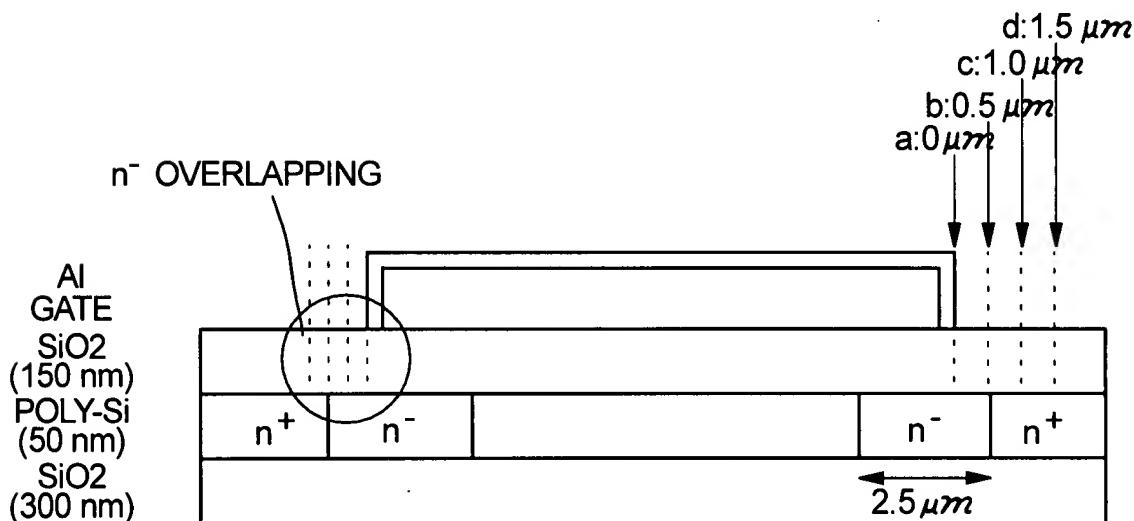


FIG. 20A



※ WIDTH OF n⁻ REGION IS FIXED IN 2.5 μm

CONCENTRATION OF n⁻ REGION (ACTIVATED CONC.): 4.2E17/cm³
 CONCENTRATION OF n⁺ REGION (ACTIVATED CONC.): 2E20/cm³

FIG. 20B

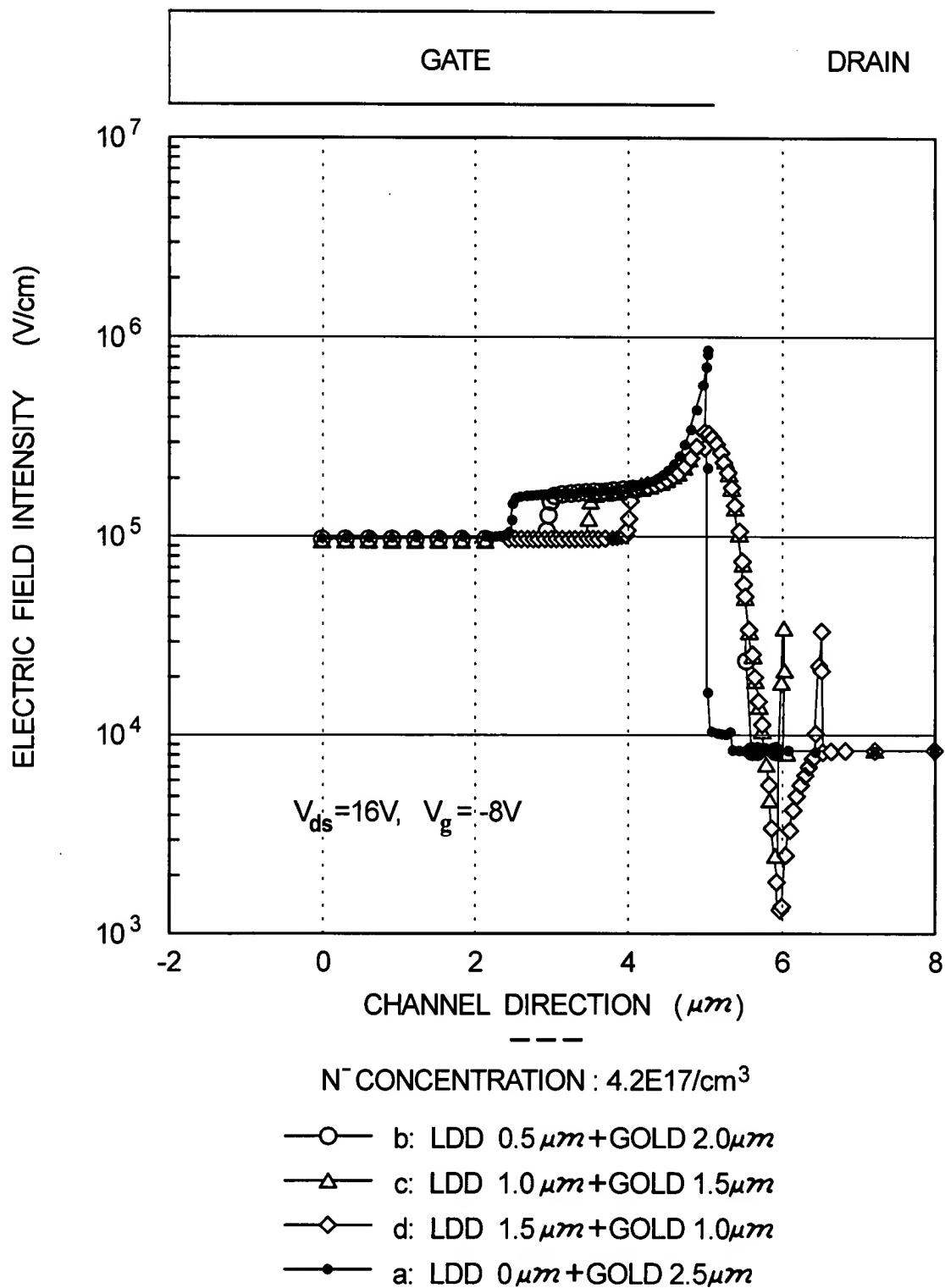


FIG. 21

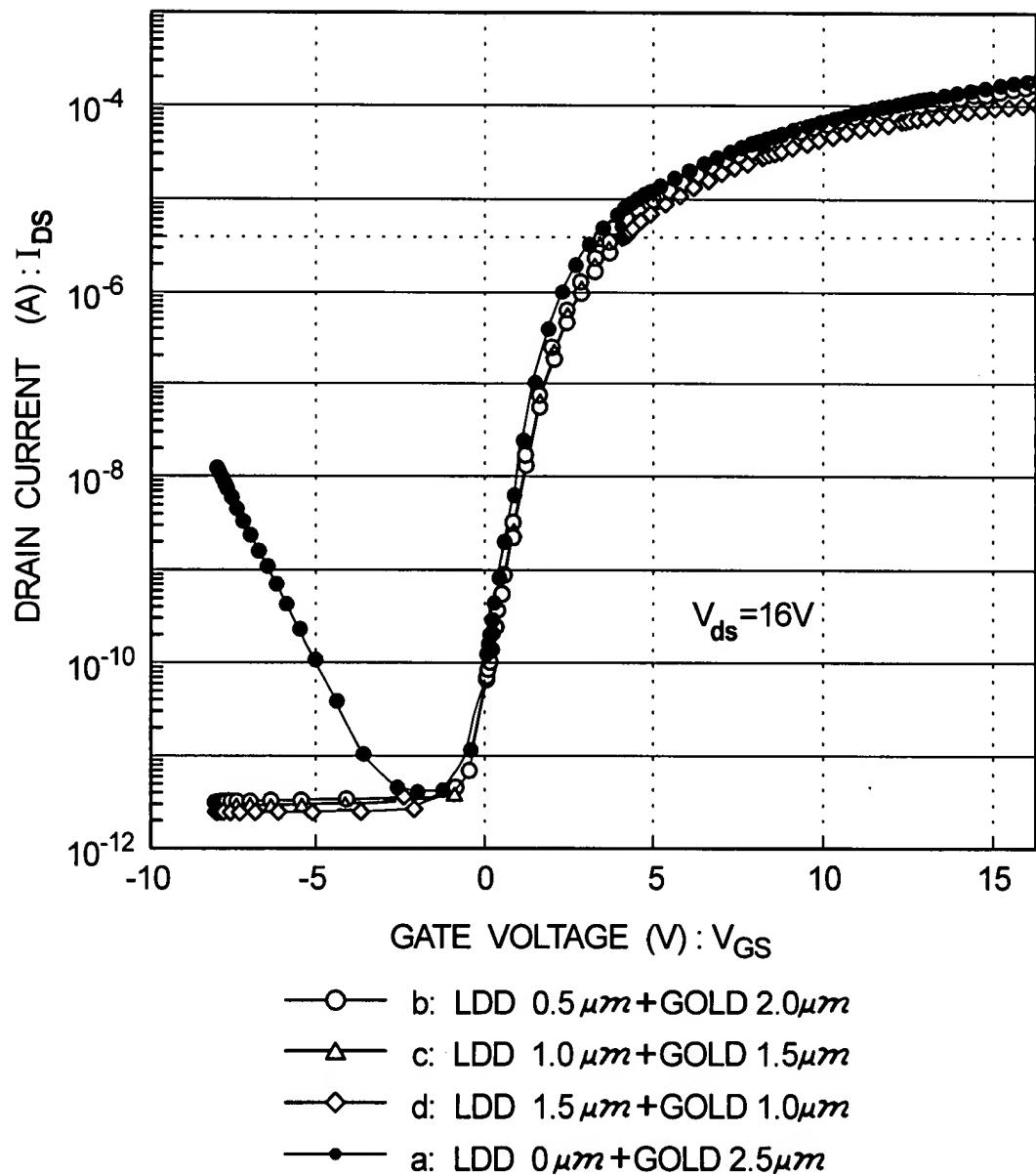
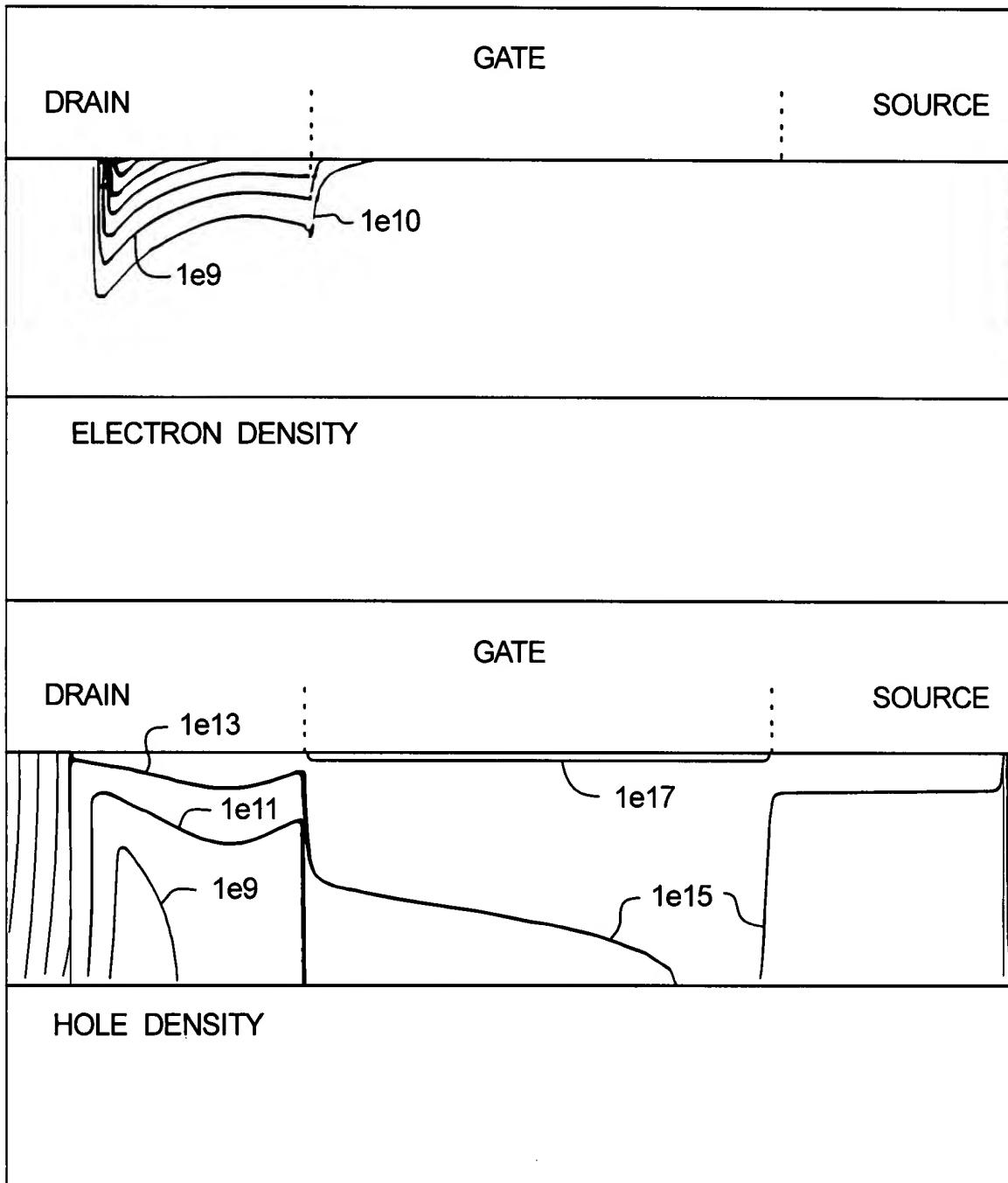
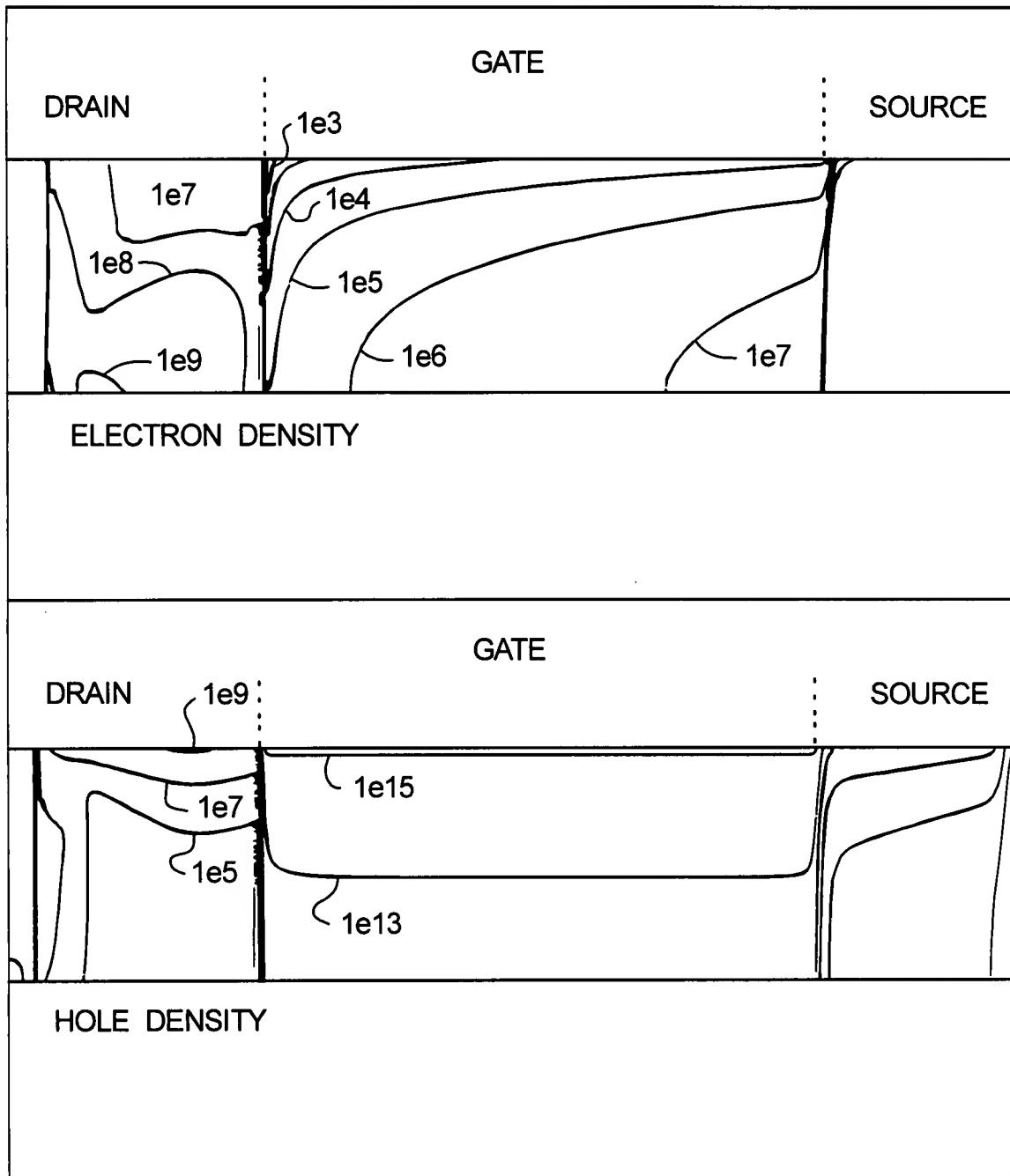


FIG. 22



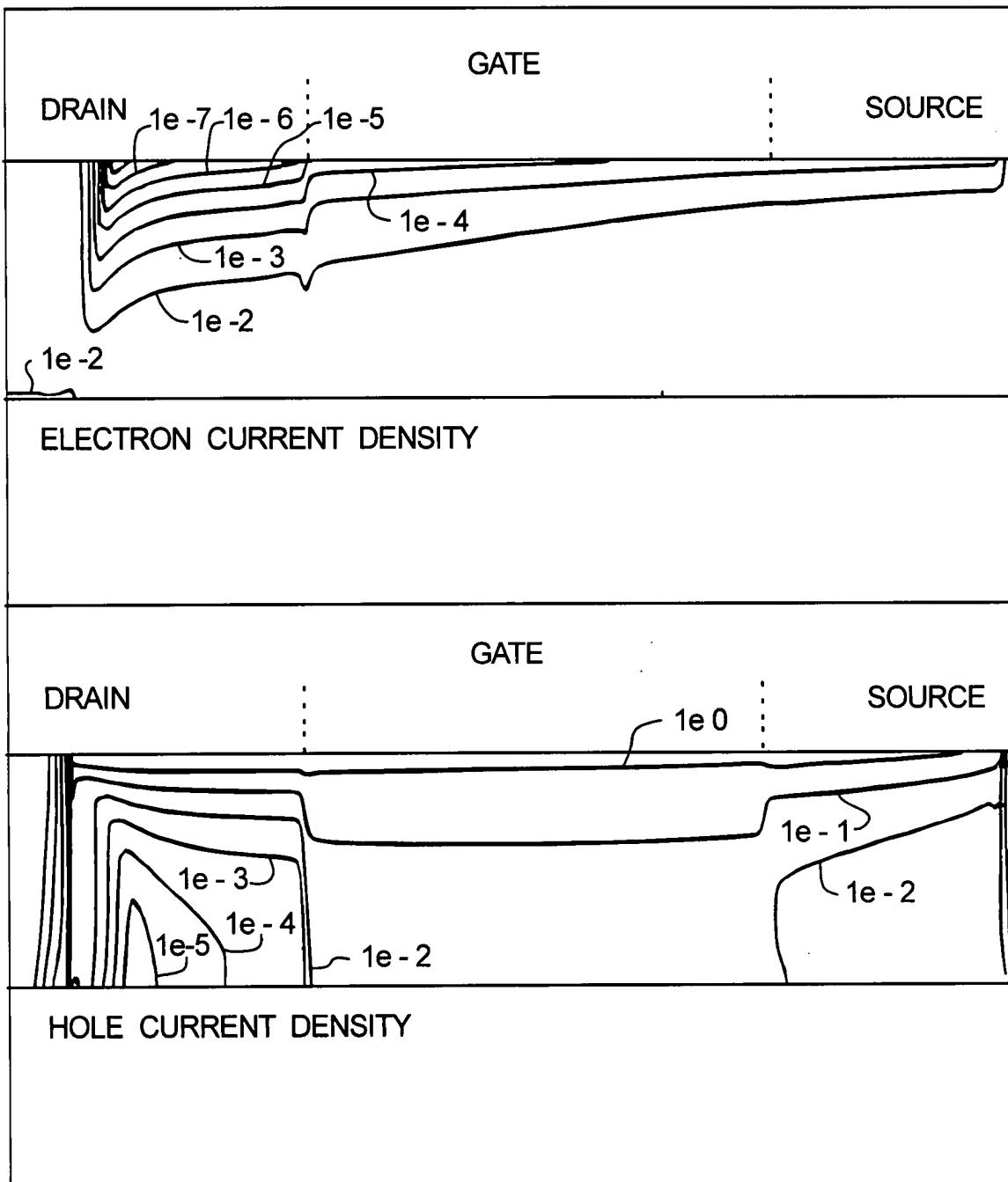
GOLD (2.5 μ m) +LDD (0 μ m)

FIG. 23



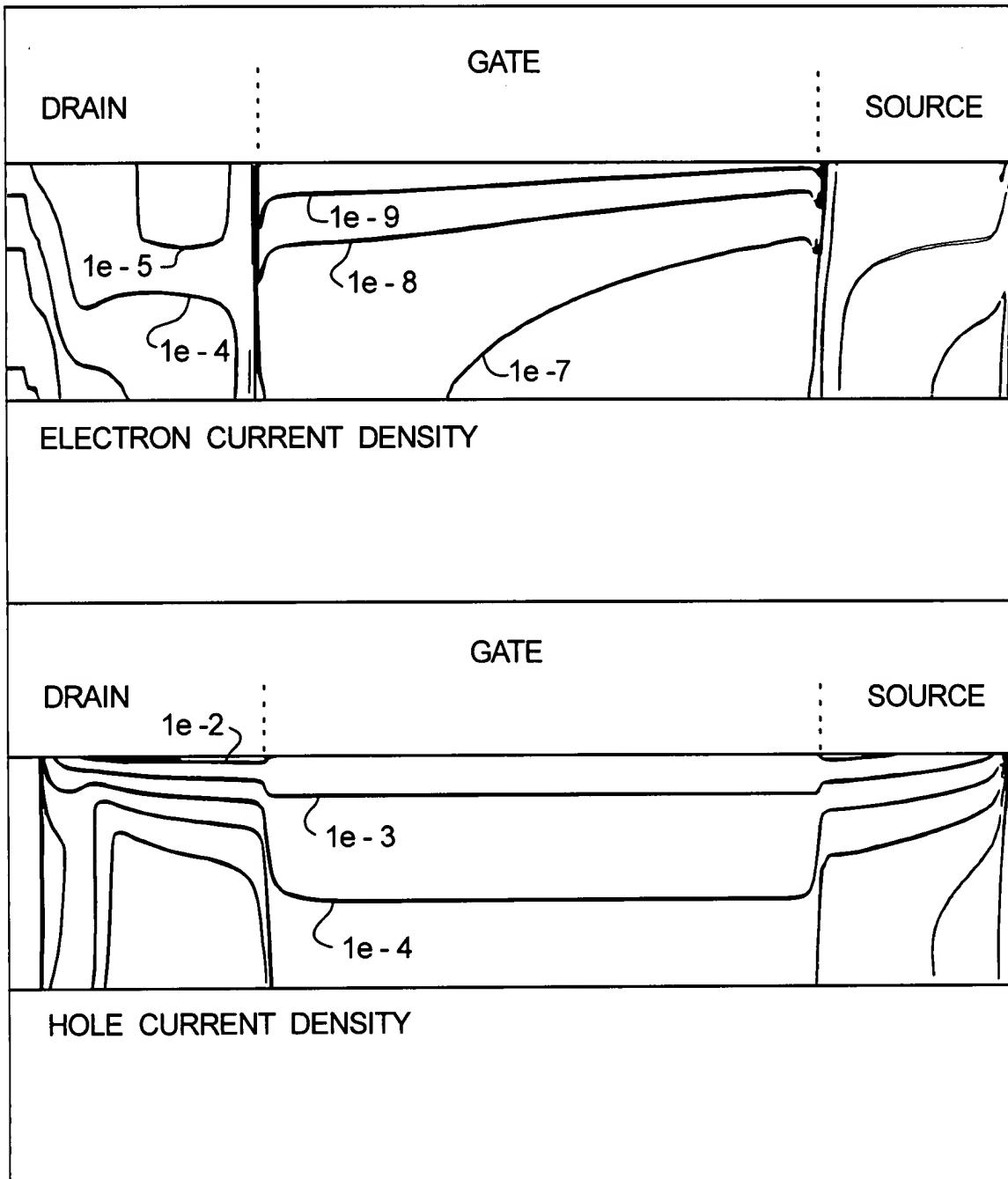
GOLD ($2.0\mu m$) + LDD ($0.5\mu m$)

FIG. 24



GOLD ($2.5\mu m$) + LDD ($0\mu m$)

FIG. 25



GOLD ($2.0\mu m$) + LDD ($0.5\mu m$)

FIG. 26

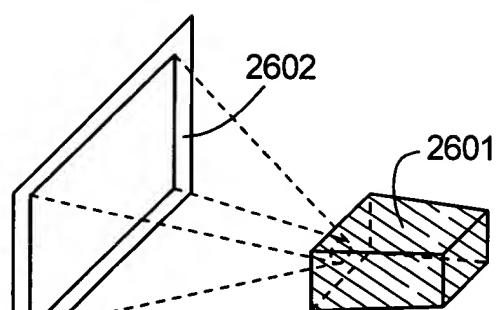


FIG. 27A

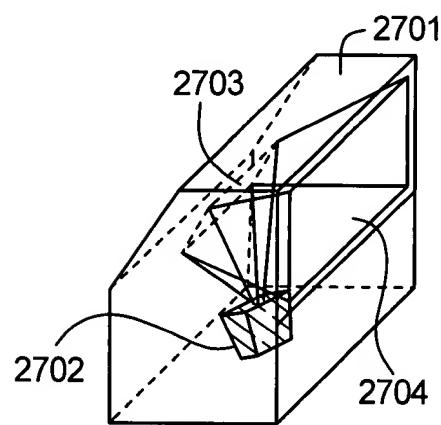


FIG. 27B

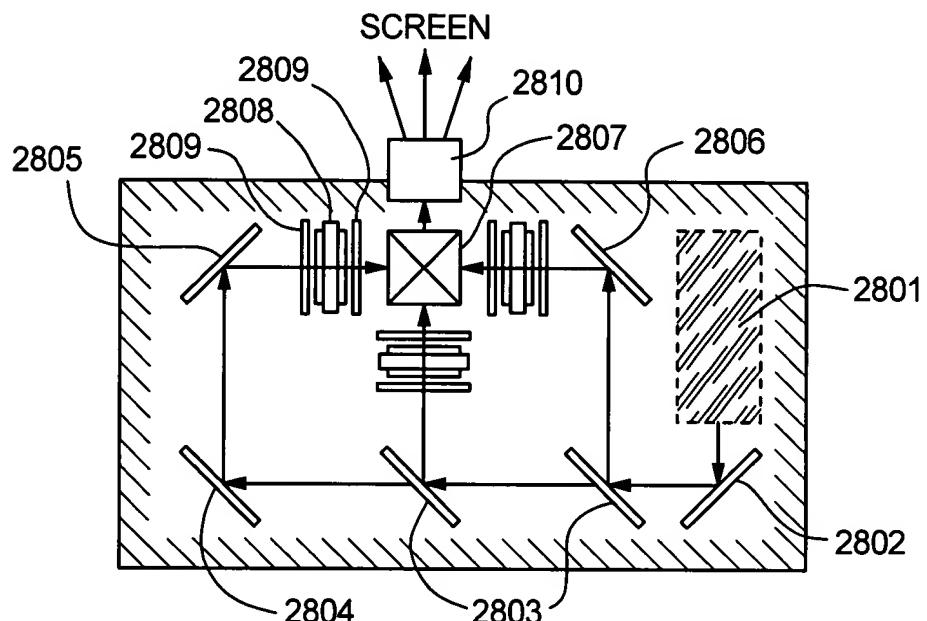


FIG. 27C

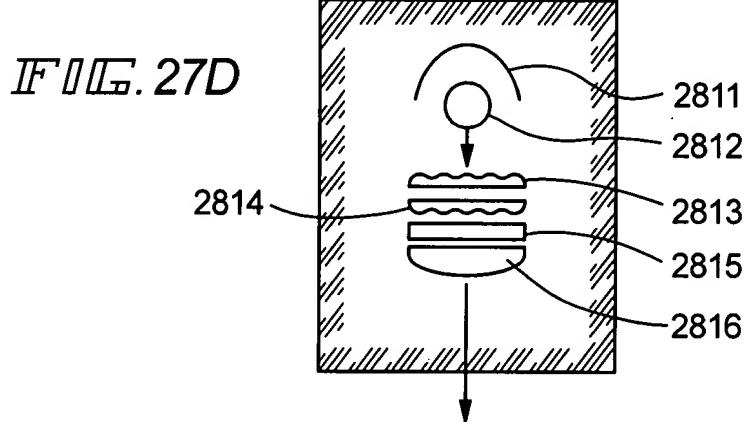


FIG. 27D

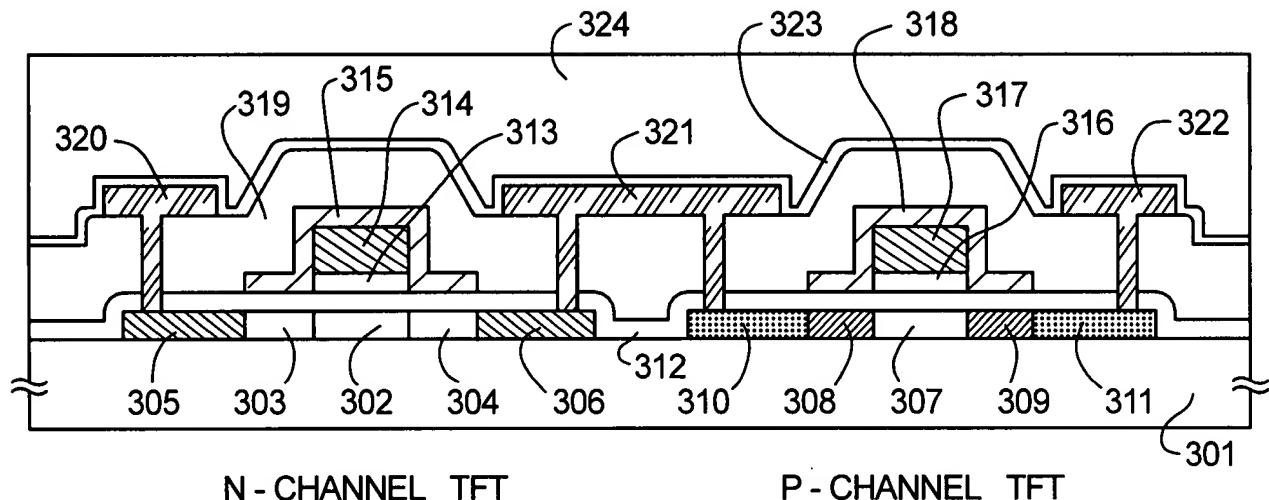


FIG. 28

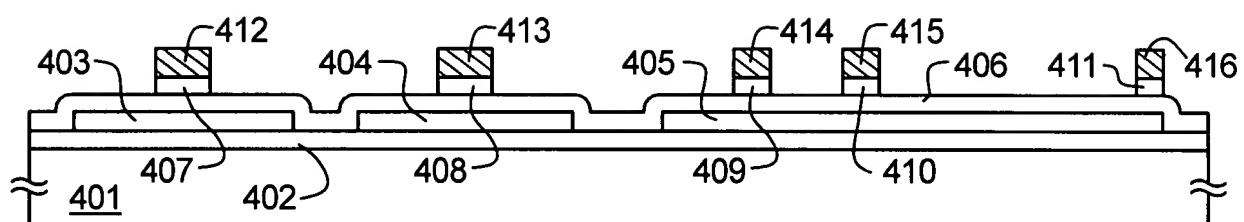


FIG. 29A

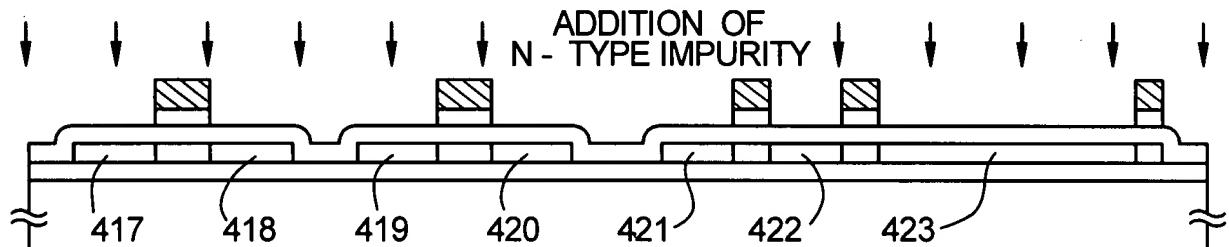


FIG. 29B

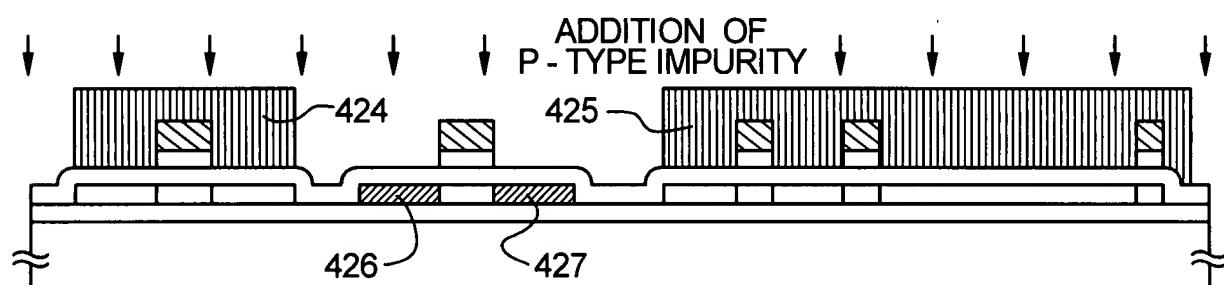


FIG. 29C

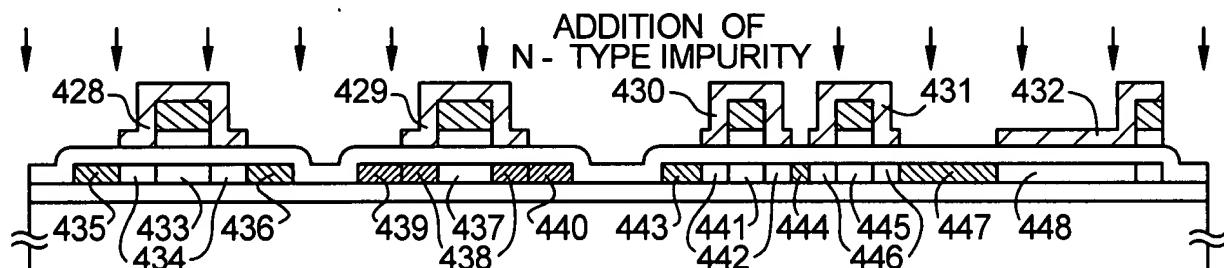


FIG. 29D

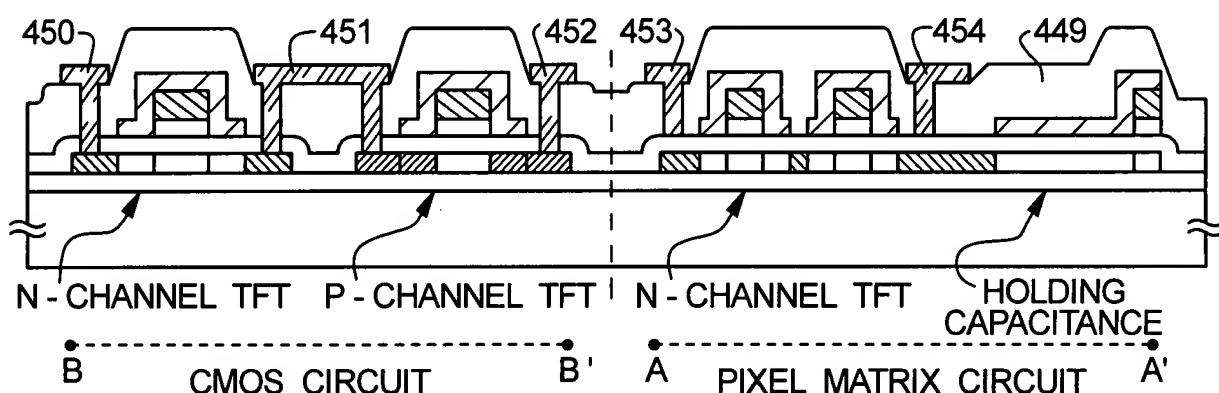


FIG. 29E

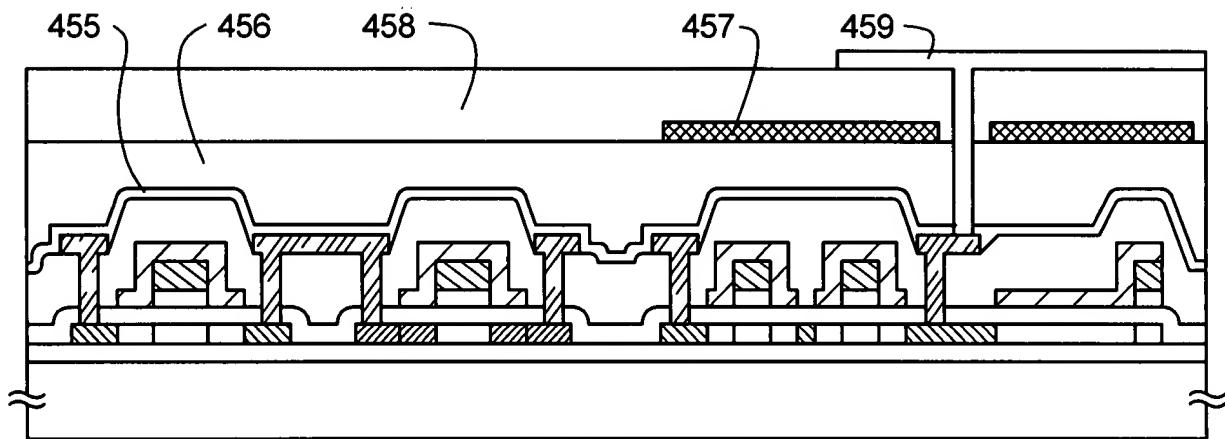


FIG. 30A

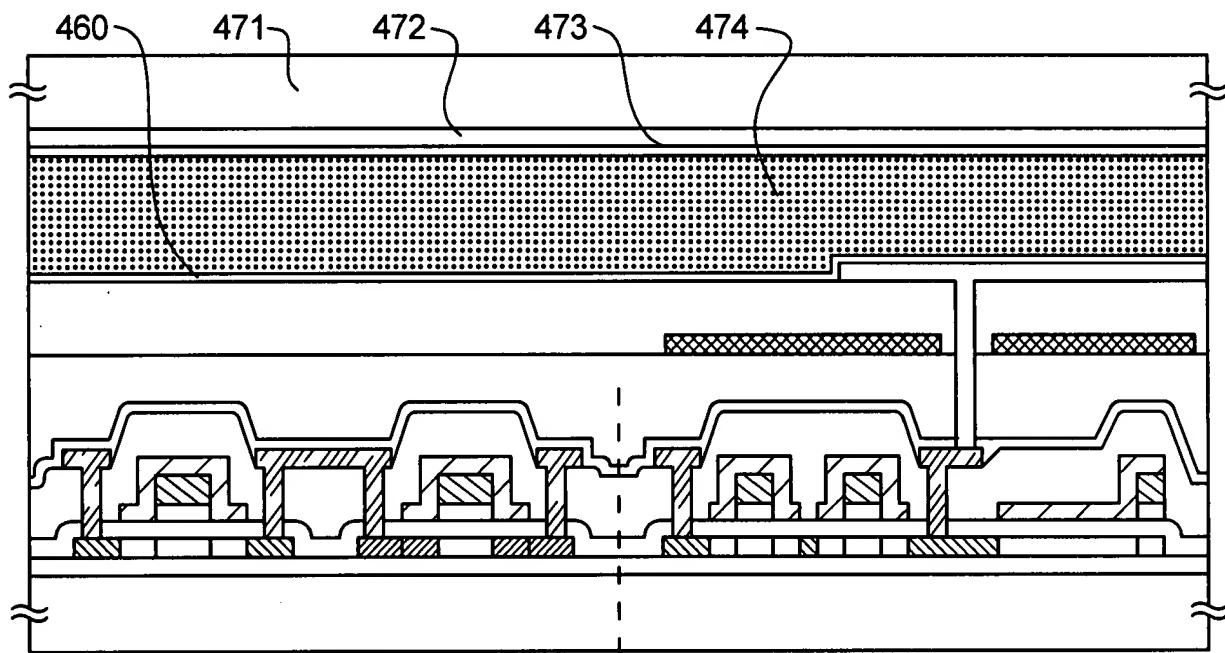


FIG. 30B

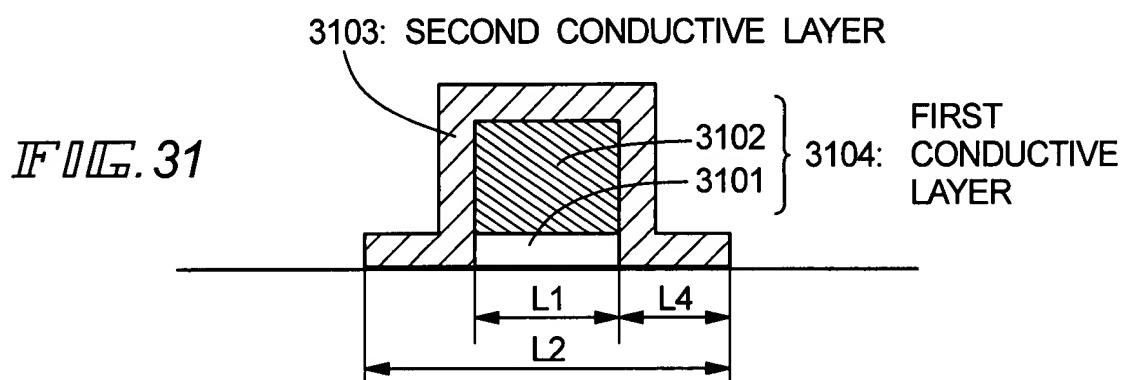


FIG. 31

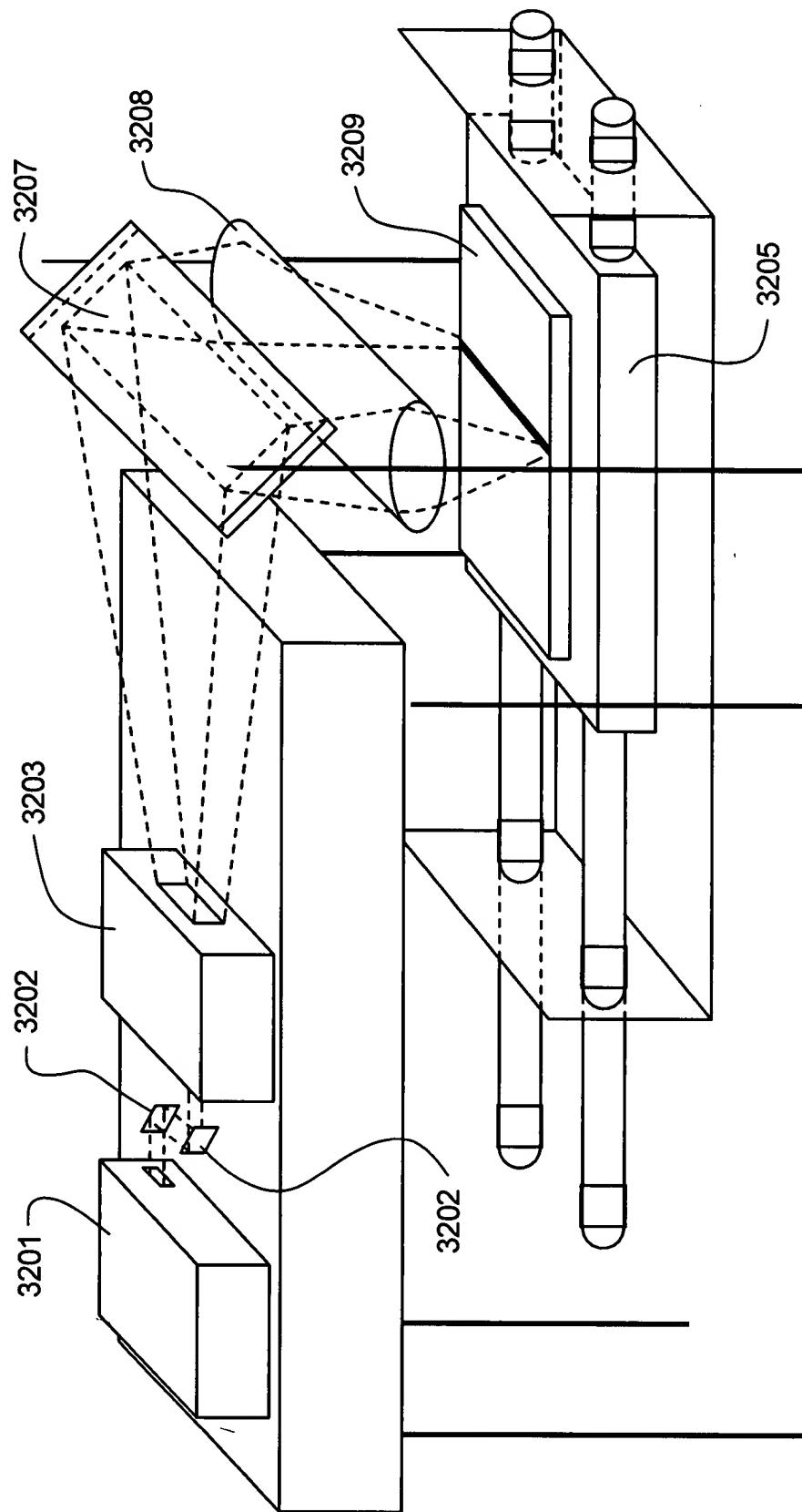
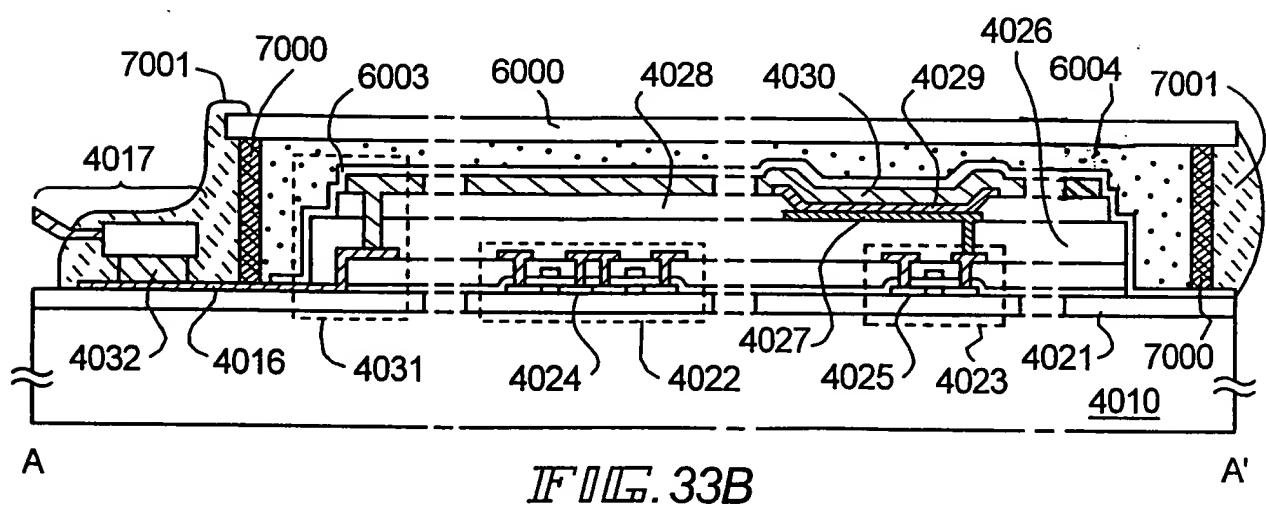
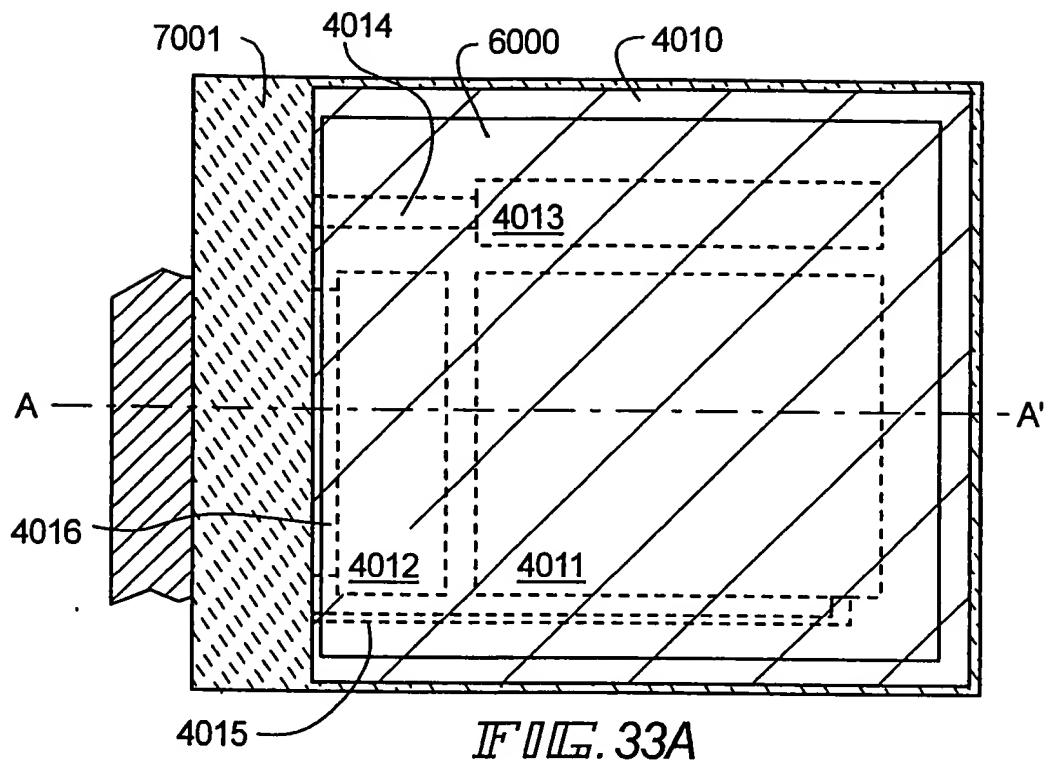


FIG. 32



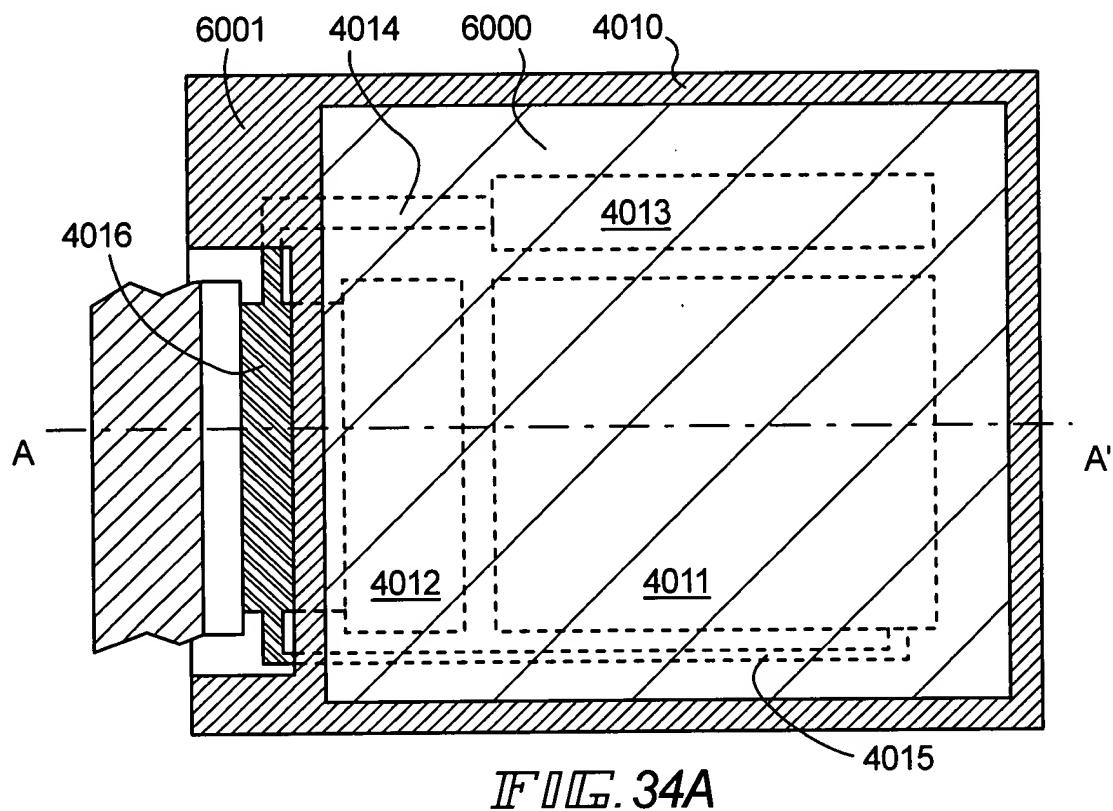


FIG. 34A

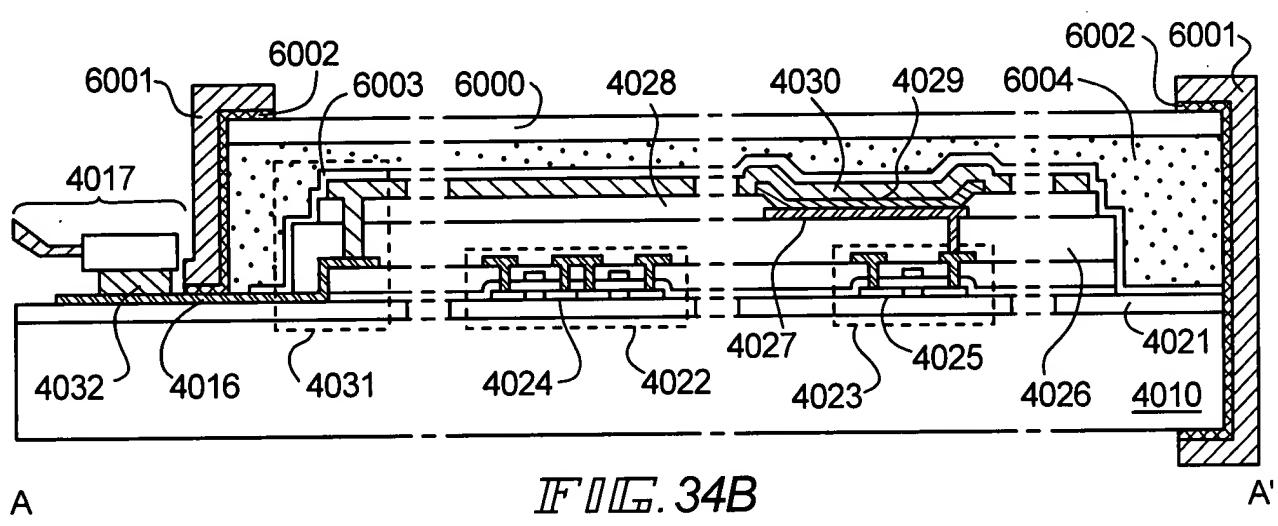


FIG. 34B

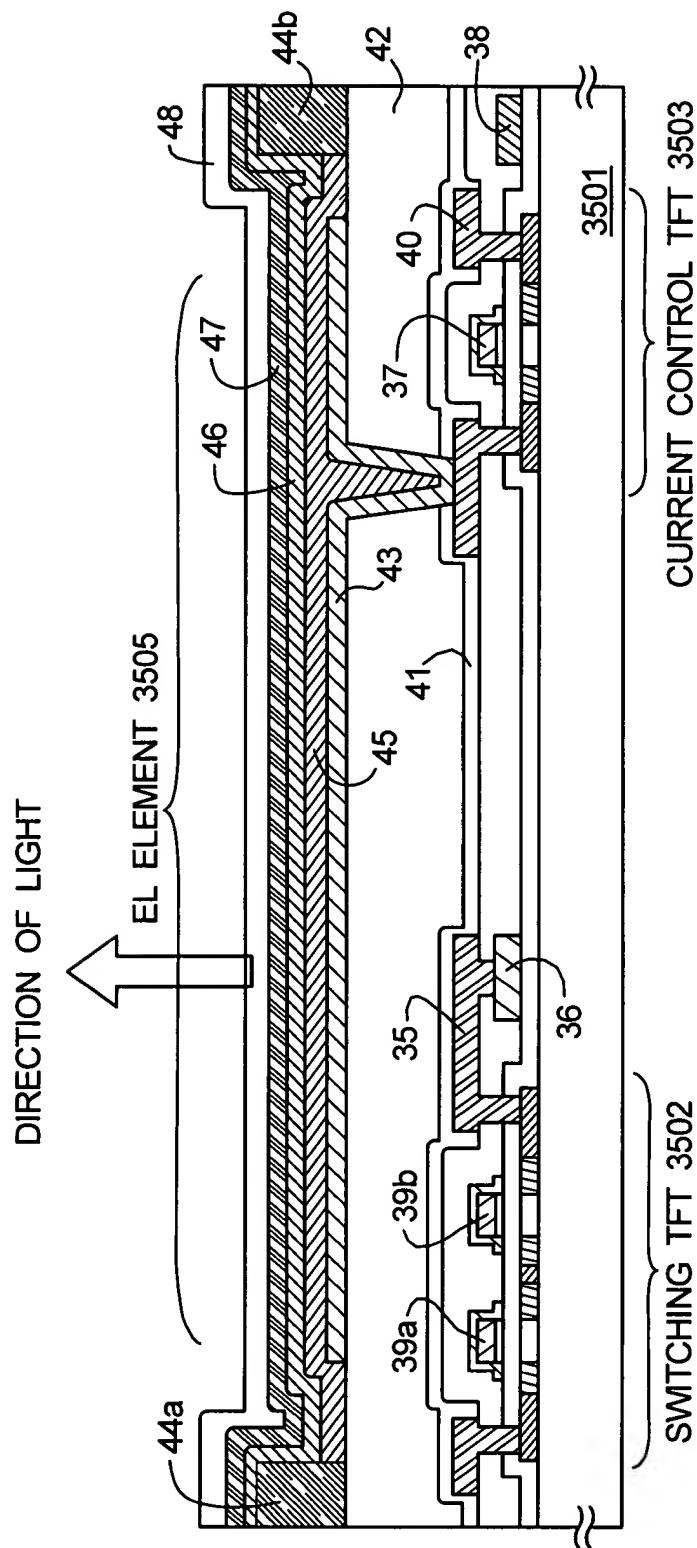


FIG. 35

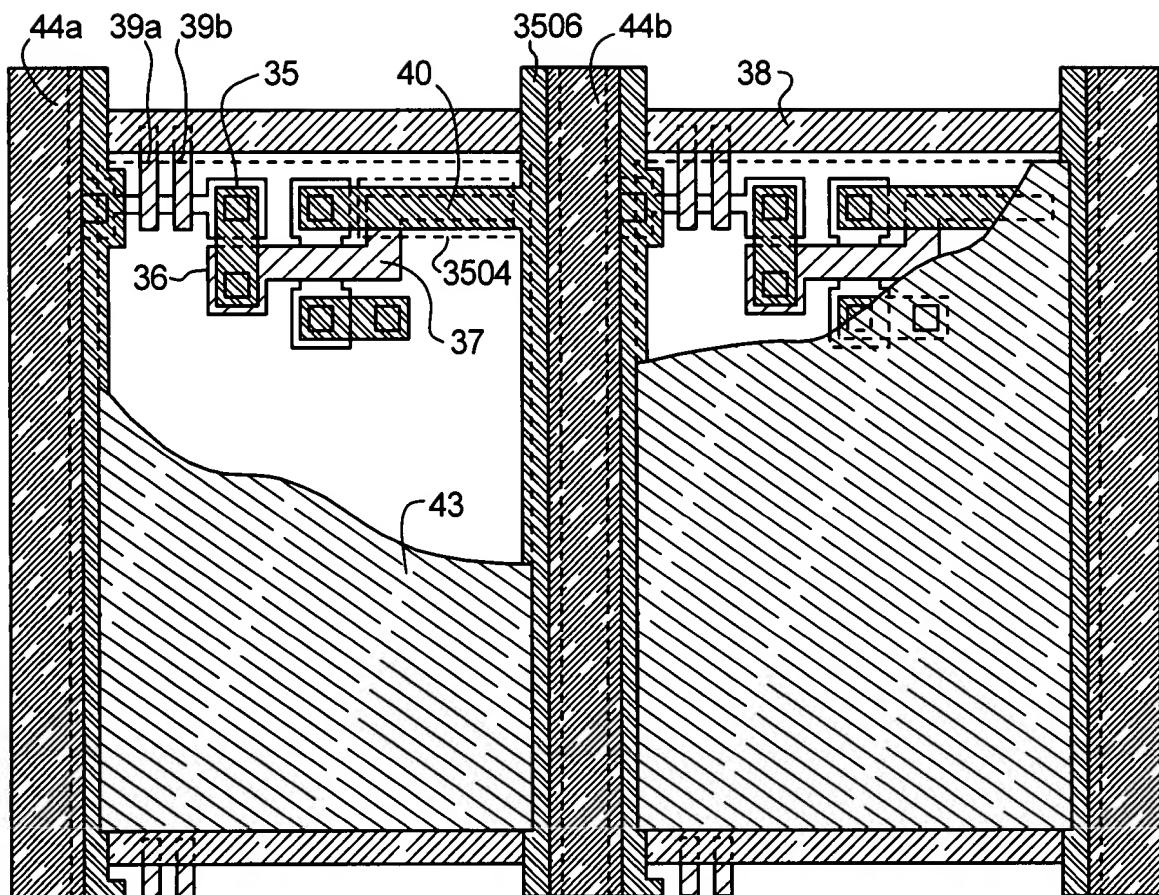


FIG. 36A

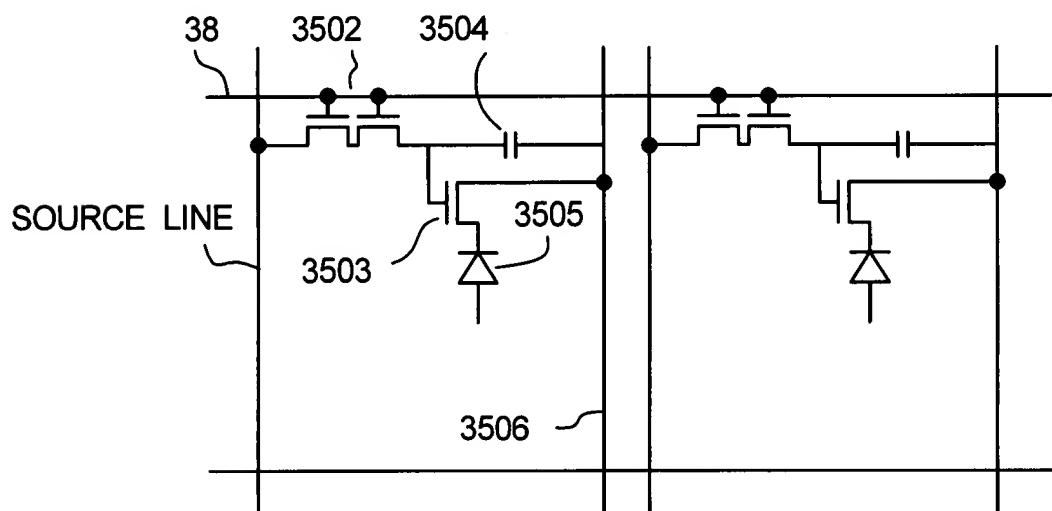


FIG. 36B

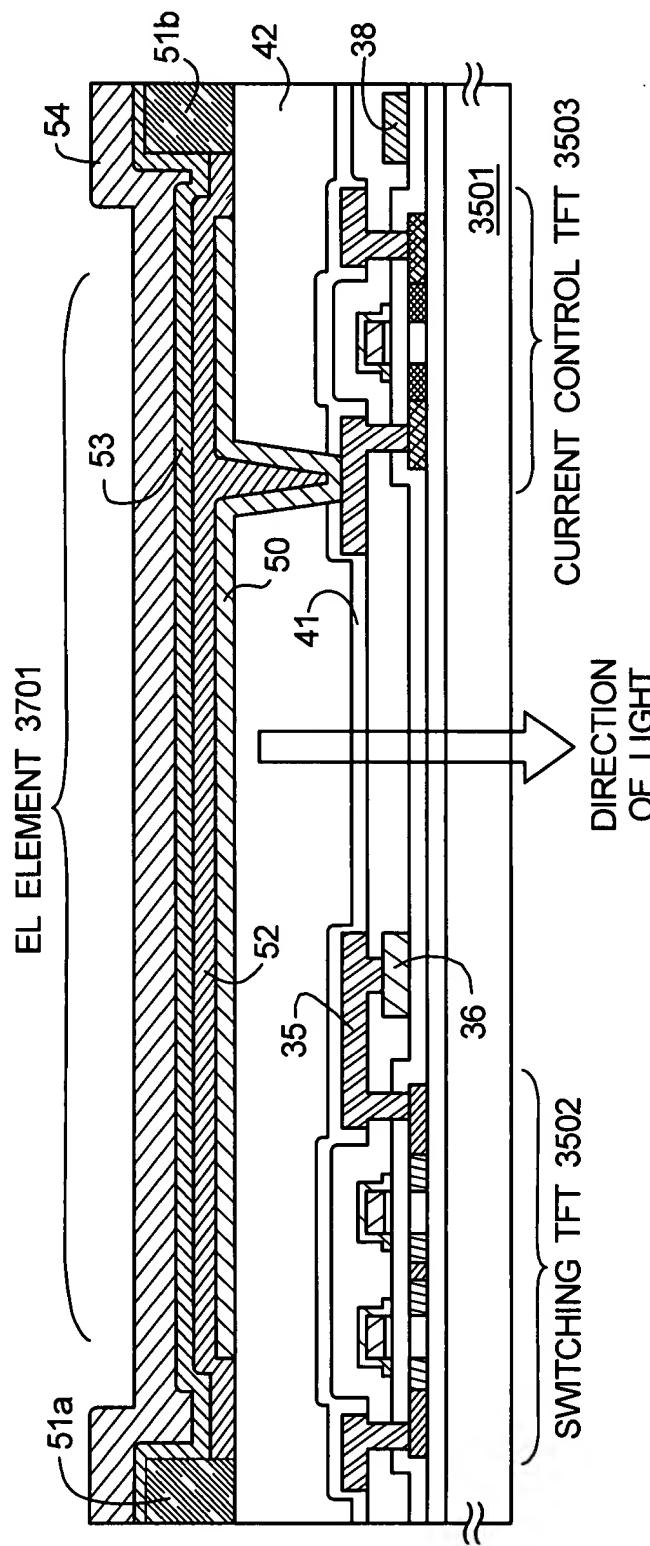


FIG. 37

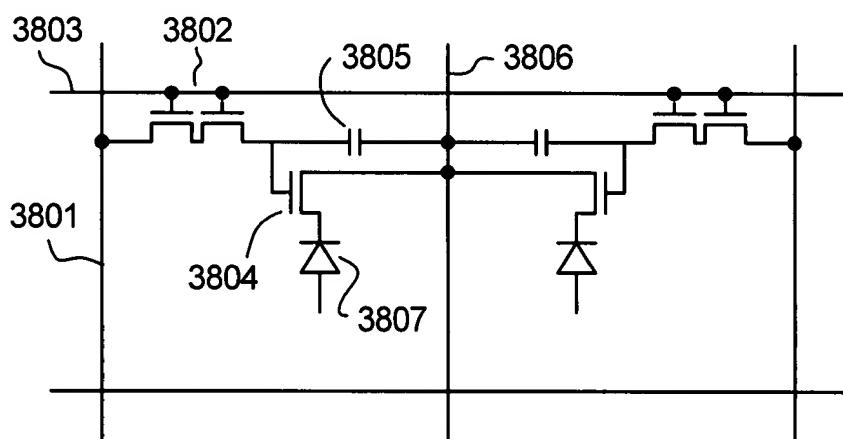


FIG. 38A

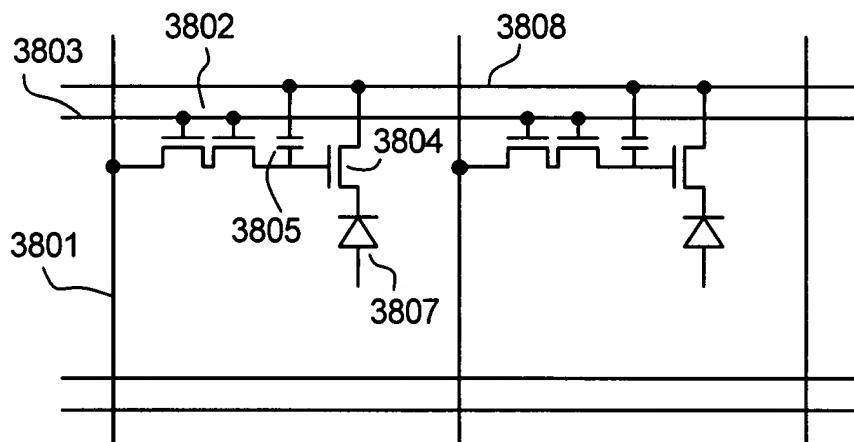


FIG. 38B

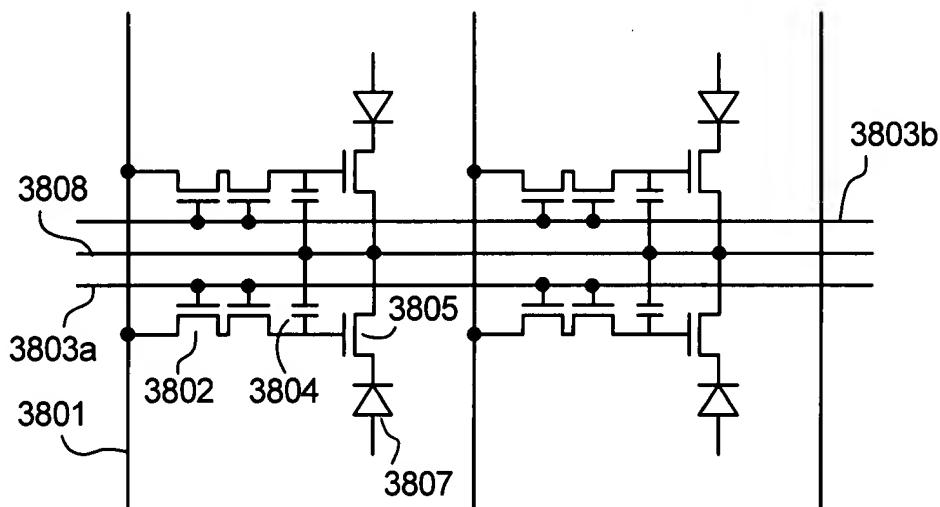


FIG. 38C

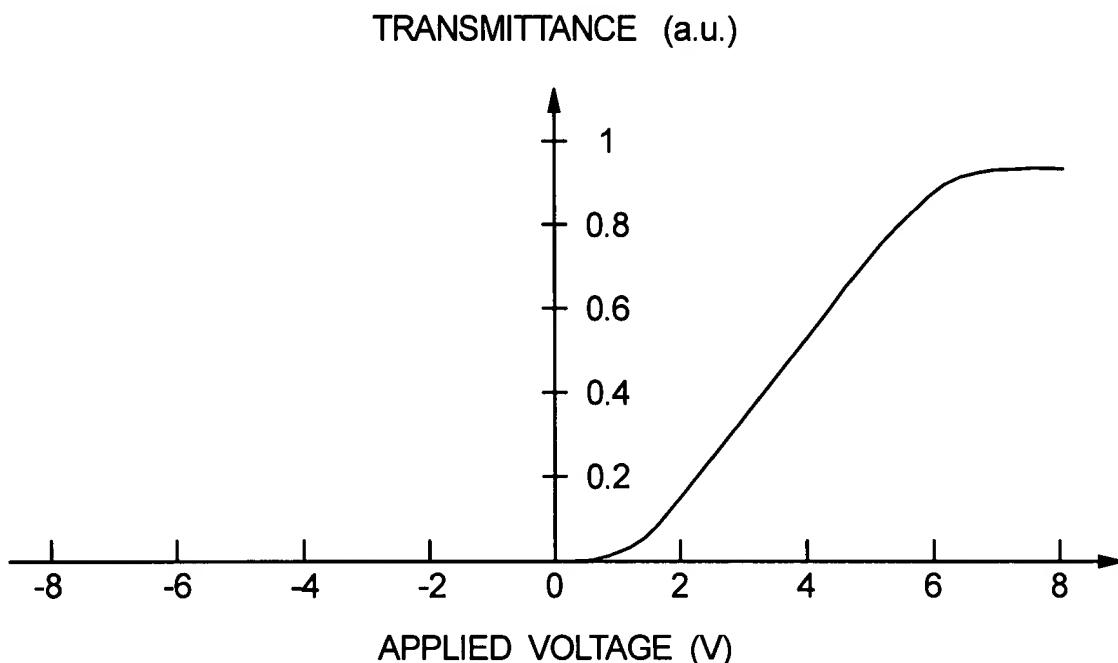


FIG. 39